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DECEMBER, 1914

No. 4

MIDDLEBURY
COLLEGE
BULLETIN

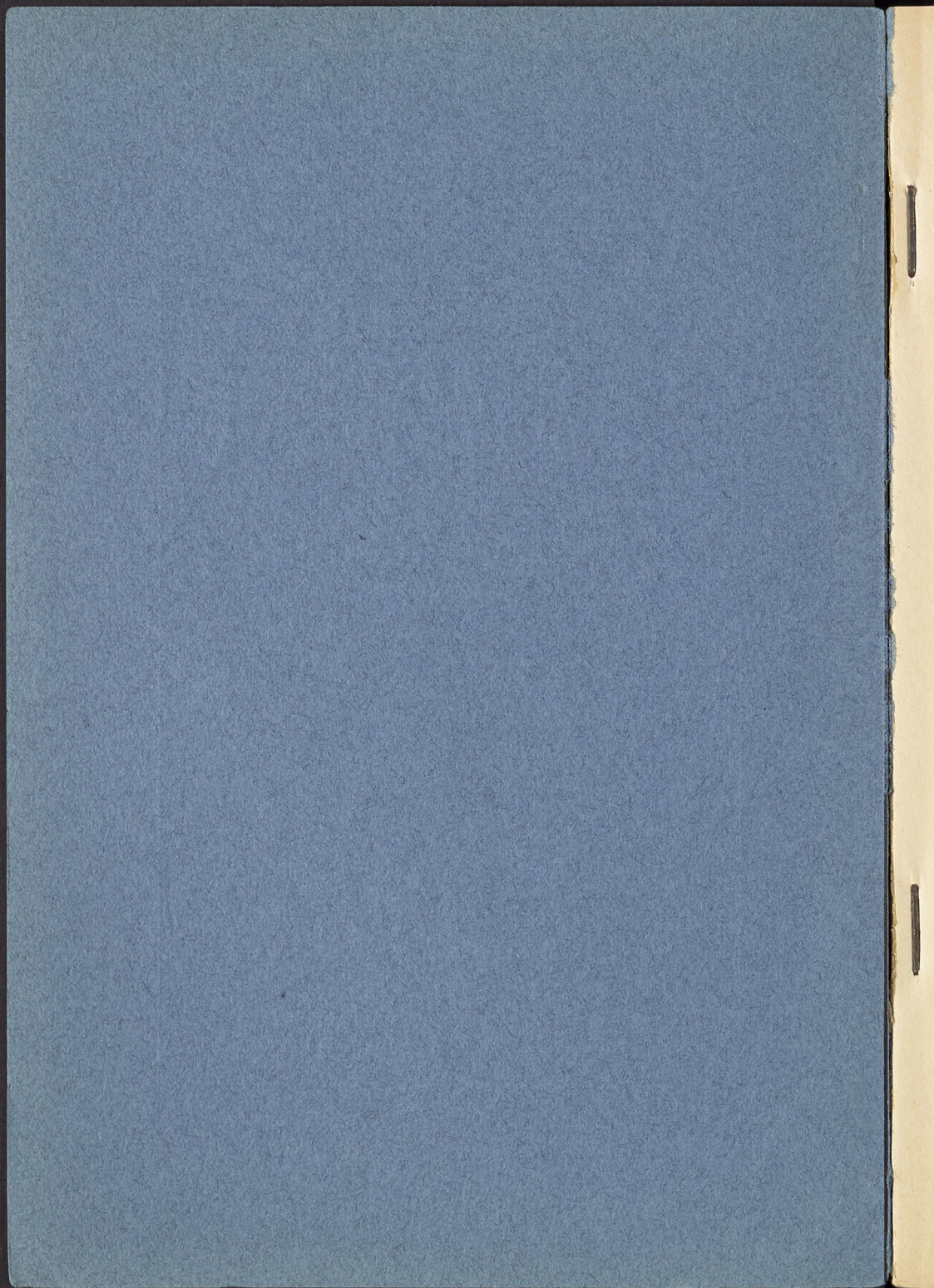


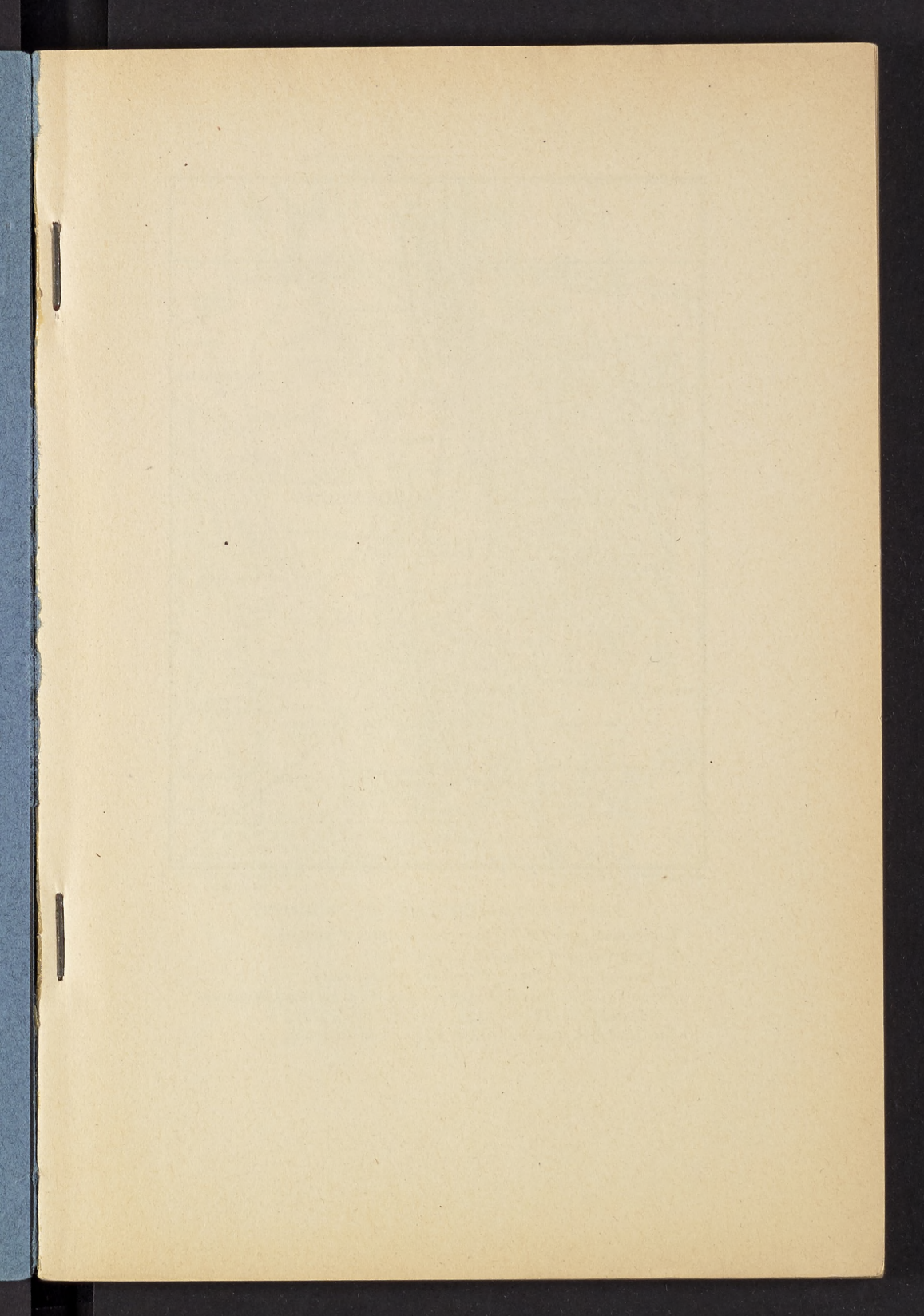
THE CATALOGUE
1914-1915

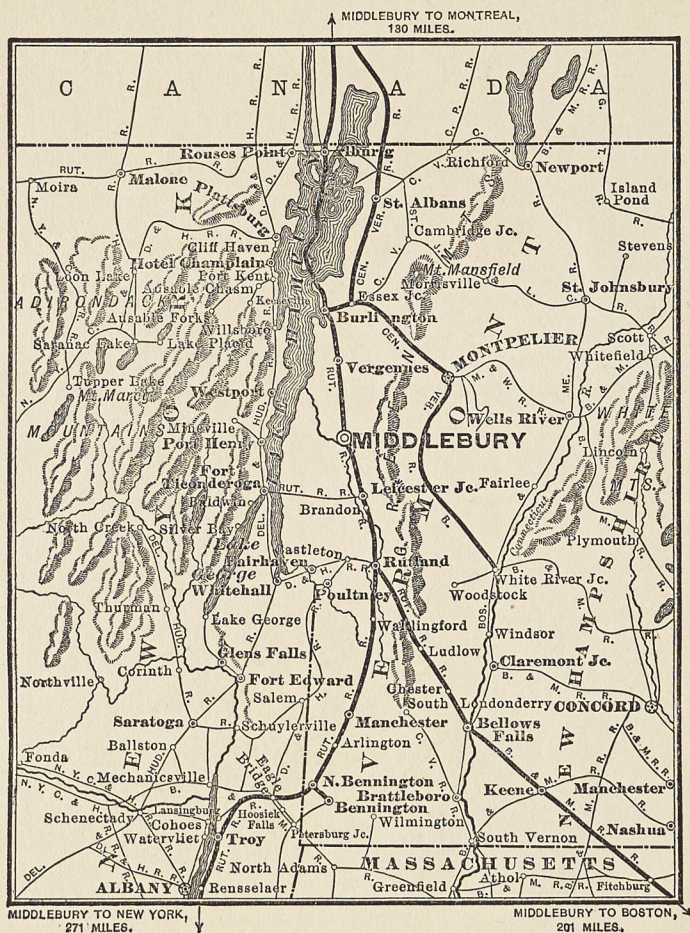
MIDDLEBURY, VERMONT

PUBLISHED BY THE COLLEGE

SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER
JANUARY, FEBRUARY, APRIL, AND JULY







THE CENTRAL COLLEGE OF VERMONT

Equi-distant from the Northern and Southern Boundaries.

Half-way between Vermont's Largest Cities.

On the Rutland Railroad, New York Central Lines.

Through Trains daily each way between New York and Boston and Montreal.

Fare (mileage) from New York, \$5.72; from Boston, \$4.52.

A Catalogue of Middlebury College

Middlebury, Vermont



One Hundred and Fifteenth Year

1914-1915



Published by the College

1914

D. B. UPDIKE, THE MERRYMOUNT PRESS, BOSTON

CHARTER

OF MIDDLEBURY COLLEGE

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STATE OF VERMONT

Isaac Tichenor Esquire Governor
and Commander in Chief in, and over the State of
Vermont. To all to whom these Presents shall
come Greeting.

KNOW YE, That I the said Isaac Tichenor by virtue
of Authority, in me vested, and in pursuance of a cer-
tain Act of the Legislature of said State passed the first
day of November in the Year of our Lord eighteen
hundred, entitled An Act incorporating and establish-
ing a College at Middlebury in the County of Addi-
son—do, by these Presents will, ordain, and grant, that
there be, and there hereby is granted, instituted, and es-
tablished, a College in the Town of Middlebury in the
County of Addison in said State;—and that Messrs
Jeremiah Atwater, Nathaniel Chipman, Heman Ball,
Elijah Payne, Gamaliel Painter, Israel Smith, Stephen
R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chip-
man, Lot Hall, Aaron Leeland, Gershom C. Lyman,
Samuel Miller, Jedediah P. Buckingham, and Darius
Matthews, shall be an incorporate Society, or Body
corporate and politic, and shall hereafter be called and
known by the Name of the PRESIDENT AND FELLOWS
OF MIDDLEBURY COLLEGE—and that by the same
name they and their successors shall, and may have
perpetual succession; and shall and may be persons

capable in Law to be impleaded, defend, and be defended; answer and be answered unto; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, tenements, hereditaments, goods, chattels, or estate; to grant, demise, lease, use, manage, or improve for the good and benefit of the said College according to the tenor of the donations. —

And that the President and Fellows, and their successors shall and may hereafter have a common seal, to serve and use for all causes, matters, and affairs of theirs, and their successors, and the same seal to alter, break, and make anew, as they shall think fit. — And I the said Isaac Tichenor do by these presents further will, ordain, constitute, and appoint that the said Jeremiah Atwater be, and he hereby is established the present President; and the said Nathaniel Chipman, Heman Ball, Elijah Payne, Gamaliel Painter, Israel Smith, Stephen R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chipman, Lot Hall, Aaron Leeland, Gershom C. Lyman, Samuel Miller, Jedediah P. Buckingham, and Darius Matthews, shall be, and they are hereby established the present Fellows of the said College; and that they and their successors shall continue in their respective places during life, or until they, or either of them, shall resign, be removed, or displaced, as is hereinafter expressed. —

And I the said Isaac Tichenor do further will, ordain, and grant that there shall be a general meeting of the President and Fellows of the said College, in the said College House, on the first Tuesday of November annually, or at any other time and place which they shall see cause to appoint, to consult, advise, and act,

in and about the affairs and business of said College; and that on any special emergency, the President and two of the Fellows, or any four of the fellows may appoint a meeting of the said College— Provided they give notice thereof to the rest by letters sent and left with them, or at the places of their respective abodes, ten days before such meeting, and that the President and six Fellows, or in case of the death, absence, or incapacity of the President, seven Fellows convened as aforesaid (in which case the eldest Fellow shall preside) shall be deemed a meeting of the President and Fellows of said College; and that in all the said Meetings a major vote of the members present shall be deemed the act of the whole, and when an equi-vote happens, the President shall have a casting vote— That the President and Fellows of the said College, and their successors, in any of their meetings assembled as aforesaid, may, from time, as occasion shall require, elect and appoint a President or Fellows, and also the same remove, from time to time, for any misdemeanor, unfaithfulness, default, or incapacity, six of the said Corporation, at least, concurring therein; and shall have power to appoint a scribe, or register, a treasurer, tutors, professors, steward, and butler, and such other officers, and servants as are usually appointed in Colleges and Universities, as they shall find necessary and think fit to appoint, for promoting good Literature, and well ordering and managing the affairs of said College; and them, or any of them, at their discretion, to remove— And to prescribe and administer such forms of Oaths, not being contrary to the Constitution and laws of this State, or of the United States, as they shall think proper to be administered, to all those Officers

and Instructors of the said College, or to such, and so many of them as they shall think proper, for the faithful execution of their respective places, offices, and trusts.—

And that the said President and Fellows shall have the government, care and management of the said College, and of all matters and affairs thereto belonging; and shall have power from time to time, as occasion may require, to make, ordain, and establish all such wholesome, and reasonable laws, rules, and ordinances, not repugnant to the Constitution, and Laws of this State, or the United States, as they shall think fit and proper, for the instruction and education of the Students, and ordering, governing, ruling, and managing the said College, and all matters, affairs and thing thereto belonging; and the same to repeal and alter as they shall think fit, which shall be laid before the LEGISLATURE of this State, as often as required, and may also be repealed or disallowed by the said LEGISLATURE when they shall think proper.—

And that the President of said College with the consent of the Fellows, shall have power to give and confer all such honors, degrees, or licenses, as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.—

And I the said Isaac Tichenor do further will and grant that all the lands and ratable estate, that does, or shall belong to the said College, not exceeding the yearly value of Two Thousand Dollars, lying in this State; and the persons, families, and estates of the Presidents and Professors, lying and being in the Town

of Middlebury, of the value of One Thousand Dollars, to each of said Officers, and the persons of the Tutors, Students, and such and so many of the servants of said College as give their constant attendance on the business of it, shall be freed and exempted from all rates, taxes, military service, working at highways, or other such like duties and services. —

In Testimony whereof I have caused the Public seal of the State of Vermont to be hereunto affixed.

Done at Middlebury this first day of November in the Year of our Lord One Thousand eight hundred, and of the Independence of the United States the twenty fifth.

By His Excellency's Command

Ros. Hopkins

Secy of State

ISAAC TICHENOR

THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE

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REV. JOHN M. THOMAS, D.D., LL.D., PRESIDENT	<i>Middlebury</i>
HON. JOHN W. STEWART, LL.D.	<i>Middlebury</i>
HON. JOSEPH BATTELL, A.M.	<i>Middlebury</i>
BRAINERD KELLOGG, LL.D.	<i>Morristown, N. J.</i>
EZRA BRAINERD, D.D., LL.D., SC.D.	<i>Middlebury</i>
HON. DAVID K. SIMONDS, A.B.	<i>Manchester</i>
ERASTUS H. PHELPS, A.M.	<i>Fair Haven</i>
HON. JOHN A. MEAD, A.M., M.D., LL.D.	<i>Rutland</i>
HENRY H. VAIL, LL.D.	<i>New York, N. Y.</i>
GEORGE M. WRIGHT, LL.D.	<i>New York, N. Y.</i>
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HON. JOHN G. McCULLOUGH, LL.D.	<i>Bennington</i>
JULIAN W. ABERNETHY, PH.D., LITT.D.	<i>Burlington</i>
JOHN A. FLETCHER, A.B.	<i>Middlebury</i>
REV. RUFUS C. FLAGG, D.D.	<i>Burlington</i>
HON. A. BARTON HEPBURN, LL.D., D.C.L.	<i>New York, N. Y.</i>
HON. JOHN E. WEEKS, A.M.	<i>Middlebury</i>
HON. FRANK C. PARTRIDGE, LL.D.	<i>Proctor</i>
WILLIAM H. PORTER, LL.D.	<i>New York, N. Y.</i>
BERT L. STAFFORD, A.B.	<i>Rutland</i>

JOHN A. FLETCHER
Secretary and Treasurer

CHARLES E. PINNEY
Auditor

PRUDENTIAL COMMITTEE

PRESIDENT JOHN M. THOMAS

JOHN W. STEWART

EZRA BRAINERD

JOHN A. FLETCHER

JOHN E. WEEKS

FRANK C. PARTRIDGE

FINANCE COMMITTEE

GEORGE M. WRIGHT

WILLIAM H. PORTER

A. BARTON HEPBURN

JAMES M. GIFFORD

FRANK C. PARTRIDGE

THE FACULTY AND OFFICERS

JOHN MARTIN THOMAS, D.D., LL.D.
President

EZRA BRAINERD, D.D., LL.D., SC.D.
President-emeritus

HENRY MARTYN SEELY, A.M., M.D.
Professor-emeritus of Natural History

CHARLES BAKER WRIGHT, A.M., L.H.D.
Professor of Rhetoric and English Literature, and Acting Dean

WILLIAM WESLEY MACGILTON, A.M.
Professor of Chemistry

MYRON REED SANFORD, A.M., L.H.D.
Professor of the Latin Language and Literature

ERNEST CALVIN BRYANT, S.B.
Baldwin Professor of Physics

WILLIAM SARGENT BURRAGE, PH.D.
Professor of the Greek Language and Literature

EDWARD DAY COLLINS, PH.D.
Professor of Pedagogy

RAYMOND MCFARLAND, A.M.
Professor of Secondary Education

EVERETT SKILLINGS, A.M.
Professor of German

AVERY ELDORUS LAMBERT, PH.D.
Burr Professor of Natural History

ARCHIBALD DARIUS WETHERELL, A.M.
Assistant Professor of History

DUANE LEROY ROBINSON, A.M.
Assistant Professor of French, Levi P. Morton Foundation

The Faculty and Officers

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G. WATTS CUNNINGHAM, PH.D.

Assistant Professor of Philosophy

FRANK WILLIAM CADY, B.LITT. (OXON.), A.M.

Assistant Professor of English

PHELPS NASH SWETT, S.B.

Assistant Professor of Engineering

RAYMOND HENRY WHITE, A.M.

Assistant Professor of Latin

CHAUNCEY ALLAN LYFORD, B.S., A.M.

Assistant Professor of Geology

GEORGE HOFFMAN CRESSE, A.M.

Assistant Professor of Mathematics

JOHN ALLEN MORGAN, A.M.

Assistant Professor of Political Economy

RAY LYLE FISHER, A.B.

Assistant Professor of Physical Education

PERLEY CONANT VOTER, A.M.

Assistant Professor of Chemistry

EDWARD ROYCE, A.B.

Assistant Professor of Music

VERNON CHARLES HARRINGTON, L.H.D.

Assistant Professor of English and Public Speaking

CHARLES FRANCIS ABBOTT, A.M., LL.B.

Assistant Professor of Government and Law

LLEWELLYN R. PERKINS, A.B., B.S., A.M.

Assistant Professor of Mathematics

WILFRED EDWARD DAVISON, A.B.

Instructor in German

NOTE. The name of Paul Hart Francis, M.S., was omitted from the Faculty in the Catalogue of 1913-14. Mr. Francis served as Instructor in Physics in 1913-14, in the absence of Professor Bryant.

Middlebury College

EDGAR JOLLS WILEY, B.S.

Assistant Dean

SUZANNE EVERETT THROOP, A.B.

Dean of Women, and Assistant Professor of Fine Arts

MARION SPAULDING, B.S.

Assistant Professor of Home Economics

ALICE MARIA EASTON, A.B.

Laboratory Assistant in Household Chemistry

LAILA A. MCNEIL, A.B.

Librarian

BERTHA E. WOOD, B.S.

Cataloguer

JENNIE HANNAH BRISTOL

Registrar

ETHEL F. BARTLETT

Secretary to the President

MURRIEL A. VITTUM

Secretary to the Assistant Dean

JOHN E. WEEKS

Superintendent of Buildings and Grounds

MRS. WILLIAM MILLS

*Superintendent of Women's Dining Hall and Matron of Pearsons Hall and
Battell Cottage*

ADA E. BRISTOL

Matron of Hillside Cottage

FACULTY COMMITTEES

ADMINISTRATION

WRIGHT, MACGILTON, BRYANT, ROBINSON, WILEY

CURRICULUM

COLLINS, BURRAGE, SKILLINGS, LYFORD, DAVISON

ADMISSION

CADY, ROBINSON, WHITE, MORGAN, WILEY

GRADUATE WORK

SANFORD, LAMBERT, WHITE, CRESSE, PERKINS

LIBRARY

ABBOTT, SKILLINGS, VOTER, ROYCE, MISS SPAULDING

ATHLETICS

WETHERELL, SWETT, FISHER, HARRINGTON, LAMBERT

STUDENT LIFE

McFARLAND, MISS THROOP, HARRINGTON, CUNNINGHAM,
WILEY

ADMISSION

PREPARATION FOR COLLEGE

IT is the desire of Middlebury College to relate its work to that of high schools and academies by offering admission, as far as possible, to students who have completed in a creditable manner a four years' course of study in a good secondary school. The College does not wish to dictate what studies shall be pursued in high school, and in the matter of admission credits will deal fairly with any subject which principals, teachers, and governing boards of secondary schools think most useful for their pupils. For certain courses, however, certain subjects are prerequisites to work of college grade, and these are specified in the following sections.

While no general counsel can take the place of the advice of a principal who knows the student, it may be said that thorough training in the use of good English is indispensable in any high school course. Algebra, Geometry, and at least one foreign language are essential to a preparatory scientific course. A preparatory classical course must contain Latin, and may well include Greek. Although Greek may be begun in College, the loss to the student who does not offer it for admission is greater than is often imagined, and the student who would devote special attention to literature, history, or philosophy is advised to fit himself in the language which is at the root of all modern culture.

METHODS OF ADMISSION

ADMISSION to College may be gained by either of two methods:

1. *By Certificate:*

a. Students in New England from schools upon the approved list of the New England College Entrance Certificate Board will be admitted on certificate of their high school principals. No total certification for less than seven points will be considered, but the seven points need not all be from one school. Blank certificates will be mailed to principals upon application.

b. Students outside of New England from schools upon the approved lists in their respective states will be admitted on the same basis as those from approved schools in New England.

Schools not upon the approved list of the Certificate Board, but meeting its requirements in respect to curriculum, teaching staff, and equipment, may, for the purpose of showing their standard of certification, send one or more students on certificate, if arrangements for so doing are concluded with the Board before April 1. Inquiries on this subject may be addressed to Professor Frank W. Nicolson, Secretary of the Board, Wesleyan University, Middletown, Ct.

c. Students who have taken the examinations of the College Entrance Examination Board may present certificates from the Board and will be given credit for all courses in which they have attained 60 per cent, the passing grade of the College. All applications for the Board examinations, which will be held June 14-19, 1915, must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, and must be made

upon a blank form to be obtained from the Secretary of the Board on or before May 31, 1915, for examinations at points in the United States on or east of the Mississippi River. The examination fee is \$5.

d. Students who have passed the examinations of the Board of Regents of the State of New York will be credited upon certificate for all such courses.

2. *By Examination:*

These examinations are of two kinds:

Method I. Students using this method must take examinations in all subjects offered for entrance. It may also be used to make up deficiencies due to partial certification.

Method II. Students using this method may be admitted after successfully passing examinations in certain assigned subjects. Regulations concerning both these methods are given in the following pages. Examinations are held at Middlebury in June and September. It is also possible to take the examinations in June under the supervision of the candidate's high school principal. Inquiries concerning the examinations should be made of the Assistant Dean.

REQUIREMENTS FOR ADMISSION

DEFINITION OF ADMISSION POINTS

LATIN: Four points required for admission to the A.B. Course; two, three, or four optional for admission to the B.S. Course.

In general, that proficiency in the subject is required which results from a study of Latin in a systematic course of five lessons a week for four school years.

Grammar and Composition. The requirement is that there shall be in memory a vocabulary of the prose authors which

have been read in the school, a masterful knowledge of the inflections, including the common irregular forms, and such familiarity with the rules of syntax as shall enable the candidate to write simple Latin prose. The proficiency expected is such as is gained by continual exercises in prose composition during all the years of preparation.

The authors and amounts to be carefully studied in the class-room are as follows: Caesar: *Gallic War*, Books I-IV; or connected readings from Caesar: *Gallic War*, *Civil War*, and Nepos: *Lives*, not less in amount than Caesar: *Gallic War*, Books I-IV.

Cicero: *Orations against Catiline*, *Poet Archias*, and the *Manilian Law*; or connected readings from Cicero: *Orations*, *Letters*, *De Senectute*, and Sallust: *Catiline*, *Jugurthine War*, not less in amount than the four *Orations against Catiline*, *Poet Archias*, and the *Manilian Law*.

Vergil: *Aeneid*, Books I-VI; or Vergil: *Aeneid*, Books I, II, IV, or VI, and 2500 additional verses of any work of either Vergil or Ovid.

The examination will contain (1) passages for translation from the authors suggested above; (2) sight passages suited to the proficiency resultant from the reading of authors indicated above; (3) questions on forms, syntax, literature, history, and prosody of the passages. Special importance will attach to the candidate's ability to deal intelligently with forms and syntax.

In the preparatory work, too much emphasis cannot be placed on accurate and continued reading of the Latin, on the thorough memorizing of a few attractive passages of text, and on constant drill at the board in composition and syntax, especially such as finds illustration in the passages memorized.

For the convenience of candidates, the examination may be divided into Preliminary and Final, to be taken in successive years.

GREEK: Three points, optional.

The examination in Greek presupposes a three years' course of five exercises a week. It may be divided between two successive years. The authors set for examination are Xenophon: *Anabasis*, Books I-IV; Homer: *Iliad*, Books I-III, omitting the Catalogue.

The examination in Homer and Xenophon will contain also sight passages from both these authors, and questions on prosody, literature, history, and antiquities. There will also be an examination in Grammar and Composition, testing the candidate's knowledge of meanings, forms, and syntax and his ability to write detached sentences. This examination will be based on a passage taken from somewhere in the second book of the *Anabasis*, and presupposes daily drill continued through two years.

GERMAN: Three points, optional.

Examinations will include a practical test on oral and aural training; schools certifying candidates for admission will be required to state in the certificate whether the candidate has had proper training of this kind. By oral and aural training is meant that the candidate has been constantly trained in pronunciation, dictation, and free reproduction (at first in English and later in German) of German anecdotes read aloud by the teacher. No credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary requirement as stated below, except to candidates offering four years of Latin and three of Greek.

I. ELEMENTARY: *Two points.*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years.

During the first year the work should comprise: (1) careful and continuous training in oral and aural elements, including drill in pronunciation, writing German from dictation,

reproducing in English German anecdotes read aloud by the teacher, simple questions and answers on the reading-matter; (2) memorizing and frequent repetition of common idiomatic expressions; (3) drill upon inflection of adjectives with nouns, of pronouns, weak verbs, and the more common strong verbs; upon word order and the use of the modal auxiliaries and the more common prepositions; (4) the reading of 75 to 100 pages of easy prose, with constant practice in retroversion (the teacher translating a sentence from a review passage into English and the pupil turning it back into the exact German of the text) and in translating into German easy variations of sentences selected from the reading lesson (the teacher giving the English).

During the second year the work should comprise: (1) the reading of 150 to 200 pages of easy prose, it being recommended that none of the classic drama be read in the second year; (2) continuation of the oral and aural training of the first year; (3) accompanying practice in retroversion and free reproduction, and translation into German of easy variations of short and easy selected passages; (4) continued drill upon the rudiments of grammar.

II. INTERMEDIATE: *One point.*

The Intermediate requirement calls for a third year's work, which should comprise, in addition to the Elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice, as in the Elementary course, in oral and aural elements, and in giving paraphrases or reproductions from memory of selected portions of the reading-matter; also grammatical drill upon the less usual strong verbs, use of articles, cases, auxiliaries of all kinds, tenses, and modes (with special reference to the infinitive and subjunctive), and likewise upon word order and word formation.

By the end of the third year the student should be able to dispense, for the most part, with translating into English.

For suggestions as to good reading-matter for both the

Elementary and the Intermediate course, the *Report of the Committee of Twelve* (D. C. Heath and Co., Boston) is recommended.

FRENCH: Three points, optional.

Examinations will include a practical test in oral and aural training; schools certifying candidates for admission will be required to state on the certificate whether the candidate has had proper training of this kind; that is, whether he has had constant drill in pronunciation, dictation, and the free reproduction (at first in English and later in French) of anecdotes read aloud in French by the teacher. No credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary course as stated below, except to candidates offering four years of Latin and three years of Greek.

ELEMENTARY: *Two points.*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, and the elementary rules of syntax, with constant drill upon exercises illustrating these principles; (3) the reading of at least 100 pages of graduated texts, with constant practice in writing in French easy sentences based on the texts read, and in free reproduction; (4) simple conversation, and the writing of French prose from dictation.

The work of the second year should include: (1) the reading of at least 200 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions

of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, and in the writing of sentences illustrative of syntactical principles; (6) conversation, and the answering in French by the student of questions based on the text read; (7) retroversion and original composition.

INTERMEDIATE: *One point.*

The Intermediate requirement implies a systematic course of four or five periods a week, extending over a third school year. The work should comprise: (1) the reading of at least 400 pages of French of ordinary difficulty; (2) constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; (3) the study of a grammar of moderate completeness; (4) writing from dictation; (5) a continuation of the drill of the previous years in oral and aural training. During this year French should be, as far as possible, the language of the class-room, and by the close of the year students should be able to read intelligently, without translation, ordinary French prose or poetry.

ENGLISH: Three points. The requirements recommended by the Commission of Colleges in New England on Admission Examinations.

A. READING

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections* are to be made, except as otherwise provided under Group I.

I. CLASSICS IN TRANSLATION. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther. The *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII.

* Each selection is set off by periods.

Middlebury College

The *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI. The *Aeneid*. (The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.)

For any selection from the above group a selection from any other group may be substituted.

II. DRAMA. Shakespeare: *Midsummer Night's Dream*. *Merchant of Venice*. *As You Like It*. *Twelfth Night*. *The Tempest*. *Romeo and Juliet*. *King John*. *Richard II*. *Richard III*. *Henry V*. *Coriolanus*. *Julius Caesar*. * *Macbeth*. * *Hamlet*. *

III. PROSE FICTION. Malory: *Morte d'Arthur* (about 100 pages). Bunyan: *Pilgrim's Progress*, Part I. Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag). Defoe: *Robinson Crusoe*, Part I. Goldsmith: *Vicar of Wakefield*. Frances Burney: *Evelina*. Scott's Novels: any one. Jane Austen's Novels: any one. Maria Edgeworth: *Castle Rackrent* or *The Absentee*. Dickens's Novels: any one. Thackeray's Novels: any one. George Eliot's Novels: any one. Mrs. Gaskell: *Cranford*. Kingsley: *Westward Ho!* or *Hereward, the Wake*. Reade: *The Cloister and the Hearth*. Blackmore: *Lorna Doone*. Hughes: *Tom Brown's School Days*. Stevenson: *Treasure Island*, *Kidnapped*, or *The Master of Ballantrae*. Cooper's Novels: any one. Poe: *Selected Tales*. Hawthorne: *The House of the Seven Gables*, *Twice Told Tales*, or *Mosses from an Old Manse*. A collection of *Short Stories* by various standard writers.

IV. ESSAYS, BIOGRAPHY, ETC. Addison and Steele: *The Sir Roger de Coverley Papers*, or selections from *The Tatler* and *The Spectator* (about 200 pages). Boswell: Selections from the *Life of Johnson* (about 200 pages). Franklin: *Autobiography*. Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*. Southey: *Life of Nelson*. Lamb: Selections from the *Essays of Elia* (about 100 pages). Lockhart: Selections from the *Life of Scott* (about 200 pages). Thackeray: Lectures on *Swift*, *Addison*, and *Steele* in the *English Humourists*. Macaulay: any one of the following essays: *Lord Clive*,

* If not chosen for study under B.

Warren Hastings, *Milton*, *Addison*, *Goldsmith*, *Frederick the Great*, *Madame d'Arblay*. Trevelyan: *Selections from the Life of Macaulay* (about 200 pages). Ruskin: *Sesame and Lilies* or *Selections* (about 150 pages). Dana: *Two Years before the Mast*. Lincoln: *Selections*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln. Parkman: *The Oregon Trail*. Thoreau: *Walden*. Lowell: *Selected Essays* (about 150 pages). Holmes: *The Autocrat of the Breakfast Table*. Stevenson: *An Inland Voyage* and *Travels with a Donkey*. Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk. A collection of *Essays* by Bacon, Lamb, De Quincey, Hazlitt, Emerson, and later writers. A collection of *Letters* by various standard writers.

V. POETRY. Palgrave: *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns. Palgrave: *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B). Goldsmith: *The Traveller* and *The Deserted Village*. Pope: *The Rape of the Lock*. A collection of English and Scottish *Ballads*: as, for example, some *Robin Hood* ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads. Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*. Byron: *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*. Scott: *The Lady of the Lake* or *Marmion*. Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, and *Ivry*. Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*. Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Phe-*

dippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—", and Instans Tyrannus. Arnold: *Sobrab and Rustum* and *The Forsaken Merman*. Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. STUDY

One selection to be made from each group.

I. DRAMA. Shakespeare: *Julius Caesar. Macbeth. Hamlet.*

II. POETRY. Milton: *L'Allegro, Il Penseroso*, and either *Comus* or *Lycidas*. Tennyson: *The Coming of Arthur, The Holy Grail*, and *The Passing of Arthur*. The selections from Wordsworth, Keats, and Shelley in Book iv of Palgrave's *Golden Treasury* (First Series).

III. ORATORY. Burke: *Speech on Conciliation with America*. Macaulay's *Speech on Copyright* and Lincoln's *Speech at Cooper Union*. Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

IV. ESSAYS. Carlyle: *Essay on Burns*, with a selection from Burns's *Poems*. Macaulay: *Life of Johnson*. Emerson: *Essay on Manners*.

HISTORY: Three or five points, optional.

1. GREEK HISTORY: *One-half point.*

The history of Greece to the death of Alexander.

2. ROMAN HISTORY: *One-half point.*

The history of Rome through the reigns of the Antonines.

3. MEDIEVAL EUROPEAN HISTORY: *One-half point, or one point.*

To the fall of Constantinople.

4. MODERN EUROPEAN HISTORY: *One-half point, or one point.*

From the fall of Constantinople.

5. ENGLISH HISTORY: *One-half point, or one point.*

6. AMERICAN HISTORY: *One-half point, or one point.*

Preparation in History will be given credit upon the basis of time devoted to each branch of the subject, rather than upon the amount of ground covered. The training in History should require comparison and the use of judgment on the pupil's part, rather than the mere exercise of memory. Good text-books, collateral reading, practice in writing, and accurate geographical knowledge are essential.

CIVICS: One-half point, optional.

A half-year's study in the principles, methods, and usages of American government.

ECONOMICS: One-half point, optional.

A high school course in Economics should run throughout the year, five periods a week. No absolute standard can be named as regards content. The course should emphasize the fundamental principles, avoiding the controversial features of the theory, and give as much attention as possible to the concrete facts of the business world.

MATHEMATICS: Three and one-half points, two and one-half points required.

a. ALGEBRA: *One and one-half points.*

(1) To Quadratics: *One point.*

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative.

(2) Quadratic Equations, Binomial Theorem, and Progressions: *One-half point.*

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations. Problems depending upon quadratic equations. The binomial theorem for positive integral exponents. The formulas for the n th term and the sum of the terms of arithmetic and geometric progressions, with applications.

b. PLANE GEOMETRY: One point.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. The solution of numerous original exercises, including loci problems. Application to the mensuration of line and plane surfaces.

c. SOLID GEOMETRY: One-half point, optional.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

d. LOGARITHMS AND PLANE TRIGONOMETRY: One-half point, optional.

(1) Definitions of the functions of an acute angle; relations between these functions; proof of identities and solution of equations based upon these relations. Solution of right triangles by the use of logarithms; application to practical problems.

(2) Definitions and periodicity of the functions of any angle.

(3) Derivation of the formulas for the functions of $A + B$, $2A$, and $\frac{1}{2}A$. Application of these formulas in proving identities and solving equations. Inverse functions.

(4) Derivation of the Laws of Sines, Cosines, and Tangents.
Solution of oblique triangles by the use of logarithms.

PHYSICS: One point, optional.

The candidate's preparation in Physics should include:

(1) The study of at least one standard text-book, supplemented by the use of many and varied numerical problems, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws in Elementary Physics.

(2) Instruction, by lecture-table demonstrations, upon the general principles involved in the pupil's laboratory investigations.

(3) Individual laboratory work, comprising at least thirty-five exercises. Every candidate must present as a part of the examination a note-book, certified by the teacher, and containing in the candidate's own language a description of his laboratory exercises, the steps, observations, and results of each exercise being carefully recorded. The note-book must afford clear evidence of the pupil's ability to make accurate observations and to draw correct conclusions. Students who have not had the individual laboratory work may receive credit for one-half point.

CHEMISTRY: One point, optional.

The preparation in Chemistry should include individual laboratory work, comprising at least forty exercises selected from a list of sixty or more; instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of Elementary Chemistry. Students who have not had the individual laboratory work may receive credit for one-half point.

BOTANY: One point, optional.

A half-year's text-book study of the morphology and physiology of seed and seedling, stem, root, leaf, flower, and fruit, together with the preparation of a note-book containing accurate laboratory studies on the morphology of the above organs; and an additional half-year's study on the morphology of cryptogams. One-half point will be credited for either of these courses offered independently.

PHYSIOLOGY: One-half point, optional.

The preparation in Physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensory functions; and the structure of the various organs by which these operations are performed. A note-book with careful outline drawings of the chief structures studied anatomically, together with explanations of these drawings, and the study of a good text-book are essential.

ZOÖLOGY: One-half point, optional.

A half-year's work in general natural history of common animal types; physiology of types studied and comparison of processes of animals and plants; classification of animals into phyla and leading classes, and the great characteristics of these groups; preparation of a note-book containing accurate laboratory studies of types, such as protozoan, sponge, hydra, worm, clam, insect, frog.

PHYSICAL GEOGRAPHY, OR PHYSIOGRAPHY: One-half point, optional.

One-half year in the study of a good modern text-book, together with weekly laboratory and field exercises.

ASTRONOMY: One-half point, optional.

A half-year's work, including the following among the chief topics: *The Celestial Sphere*: designation of the directions of a heavenly body. *The Earth*: its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar. *The Moon*: its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses. *The Sun*: its rotation, physical characteristics, light, and heat. *The Planets*: apparent and real motions, individual characteristics. *The Law of Gravitation*: its control of the solar system; the tides. *Comets and Meteors*: their nature and motions. *The Stars*: designation, classification by constellations; motions, distance, brightness; variables. *Stellar Systems*: clusters, nebulae; the stellar universe, cosmogony.

FREE-HAND DRAWING: One point, optional.

A full year's work in drawing should include simple geometrical plane and solid figures, the simple pieces of machinery, with a fair knowledge of the rules of perspective and light and shade as applied in free-hand sketching. The student should complete at least twenty drawings.

MECHANICAL DRAWING: One point, optional.

At least eighty hours should be presented for credit in Mechanical Drawing. The work should cover the use of the instruments, simple geometrical drawings, projection drawings of solids and simple machine parts (or its equivalent), penciling, and inking. It is desirable that the applicant should have some instruction in lettering and proper dimensioning. He should be able to read simple drawings. Plates must be presented to show the ground covered and the quality of the work. These should be certified by the instructor.

CERTIFICATION AND EXAMINATION METHOD I

FOR admission to either course by certificate or by Examination Method I, fourteen points, or admission credits, are required. A point is a preparatory subject pursued one year with five recitation periods a week. Nine and one-half points in each course are required; the remainder of the fourteen may be made up from the list of options.

There can be no substitutions for the required points. Equivalents up to two points may be offered for the optional points, but these equivalents must meet the approval of the College as to both the quantity and the quality of the work done.

The required and optional subjects are indicated below.

REQUIRED POINTS

FOR THE A.B. COURSE		FOR THE B.S. COURSE	
Latin	4	English	3
English	3	Latin, German, or French	2
Algebra	1 ½	Algebra	1 ½
Geometry	1	Geometry	1
<i>Two points from the following list:</i>			
		Physics	1
		Chemistry	1
		Botany	½ or 1
		Physiology	½
		Zoölogy	½
		Physical Geography	½
		Astronomy	½
		Solid Geometry	½
		Plane Trigonometry	½

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OPTIONAL POINTS

(Any four and one-half for either course)

Latin	2, 3, or 4	Economics	$\frac{1}{2}$
German	2 or 3	Solid Geometry	$\frac{1}{2}$
French	2 or 3	Plane Trigonometry	$\frac{1}{2}$
Greek History	$\frac{1}{2}$	Physics	$\frac{1}{2}$ or 1
Roman History	$\frac{1}{2}$	Chemistry	$\frac{1}{2}$ or 1
Medieval European History	$\frac{1}{2}$ or 1	Botany	$\frac{1}{2}$ or 1
Modern European History	$\frac{1}{2}$ or 1	Physiology	$\frac{1}{2}$
English History	$\frac{1}{2}$ or 1	Zoölogy	$\frac{1}{2}$
American History	$\frac{1}{2}$ or 1	Physical Geography	$\frac{1}{2}$
Civics	$\frac{1}{2}$	Astronomy	$\frac{1}{2}$
		Mechanical Drawing	1
		Free-hand Drawing	1

EXAMINATION METHOD II

To be admitted under this plan, a candidate

1. Must present evidence of an approved school course satisfactorily completed; and
2. Must show in four examinations as explained below that his scholarship is of satisfactory quality.

SCHOOL RECORD

A candidate must present to the Committee on Admission evidence of his secondary school work in the form of an official detailed statement showing

- (a) The subjects studied by him and the ground covered;
- (b) The amount of time devoted to each;
- (c) The quality of his work in each subject.

To be approved, this statement must show

- (a) That the candidate has satisfactorily completed a four year secondary school course;
- (b) That his course has been concerned chiefly with languages, science, mathematics, and history;
- (c) That two of the studies of his school programme have been pursued beyond their elementary stages, *i.e.*, to the stage

required by the present advanced examinations of Middlebury College.

THE EXAMINATIONS

If the official detailed statement presented by the candidate shows that he has satisfactorily completed an approved secondary school course, he may present himself for examination in four subjects, as follows:

- (a) English;
- (b) Latin or Greek; or, for candidates for the B.S. degree, two years of Latin, or French, or German;
- (c) Mathematics, or Physics, or Chemistry;
- (d) Any subject, not already selected under (b) or (c), from the following list: Greek, French, German, History, Latin, Mathematics, Physics, Chemistry.

INSTRUCTIONS TO THOSE DESIRING TO BE ADMITTED UNDER METHOD II

ALL candidates except those eligible for certification are advised to use this method of entrance. Candidates who have taken advanced work in any subject in which they are examined must answer from the questions on the paper a certain number drawn from this advanced work. For instance, candidates who have had three years of French will be expected to answer the questions in the advanced section of the paper. Each person who examines papers of any candidate will be furnished with a copy of the candidate's school record, and will return to the Committee on Admission, with the candidate's paper, a judgment upon it in which the school record is taken into account.

Under this plan it will be impossible for any candidate to incur entrance conditions. He will be either

admitted or refused admittance. His total record must clearly show that he is a desirable student. No subject will be counted by itself. The basis of admission is the work as a whole. If the candidate is refused admission, he cannot be credited with certain examinations and allowed to complete the record at some future time. Subsequent application for admission will involve the repetition of all the examinations.

ENTRANCE CONDITIONS

STUDENTS entering by certificate may matriculate conditioned two points. Students entering entirely by Examination Method I must, before matriculation, take examinations covering twelve points and including the required subjects. They may, at the discretion of the Admission Committee, enter conditioned in not more than four points, only two of which may be in required subjects. Under Examination Method II, as already stated, entrance conditions cannot be incurred.

Entrance conditions may be removed by any of the following methods:

1. By examination. The regular entrance examinations of June and September furnish convenient opportunities for those wishing to avail themselves of this method.
2. By work in the Summer Session, if the necessary courses are given.
3. By an average of 80 per cent in all the work of the first semester, which will remove entrance conditions not exceeding two points. An average of 80 per cent in all the work of the second semester will remove conditions in excess of two points, provided in each case that the student's grade in no subject falls below 70 per cent.

4. By taking extra subjects in the second semester, in accordance with the rules.

GENERAL DIRECTIONS

APPLICATIONS for admission may be made upon forms furnished by the Dean's office. After they have been received, the necessary blanks for admission by certificate or for application for examination by either plan will be sent out. Certificates are always sent to the principal of the school; other blanks are sent to the candidate. It will not be necessary for those who desire to combine admission by certificate and by Examination Method I to file a separate application for examination, except as the Committee shall request.

ADMISSION TO ADVANCED STANDING

A CANDIDATE for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, if he presents a detailed statement of his previous work. This statement should include a full list of preparatory subjects accepted for admission by the institution previously attended, and also a list of the subjects taken there for which credit has been attained. A letter of honorable dismissal from the institution last attended must also be presented.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the course which he desires to enter. He may then receive credit for any subject included in the

curriculum of that course in which he can pass a satisfactory examination. Such students, not coming from other colleges, will be required to pay a fee of \$5 if admitted to the Sophomore class, or \$10 if admitted to higher rank.

THE COLLEGE CURRICULUM

ORGANIZATION

THE courses of instruction offered by Middlebury College are organized in nineteen departments. These departments are arranged in three groups, as shown in the following table:

<i>Group One</i>	<i>Group Two</i>	<i>Group Three</i>
English	Economics and	Biology
French	Social Science	Chemistry
German	Fine Arts	Drawing and
Greek	History	Surveying
Latin	Music	Geology
	Pedagogy	Home Economics
	Philosophy	Mathematics
	Political Science	Physics

Nearly all the courses offered in these various departments are ranked with one of three grades, the grade being indicated by a letter (A, B, or C) attached to the title of the course. A brief description of each course will be found in another part of the Catalogue.

The purpose of the grading is to secure for each student steady progress from courses of an elementary or introductory character to those more advanced or later in sequence. Thus, courses of A grade are introductory, courses of B grade more advanced, while courses of C grade represent either the highest work offered in each department, qualitatively, or that which comes last in order; and admission to courses of advanced grade is gained only by completing one or more appropriate courses of lower grade which are designated prerequisites.

RECITATION REQUIREMENTS

THE normal requirement of work from students is fifteen hours of recitation a week. As all courses, unless otherwise stated, are conducted three hours a week, the customary number of courses to be carried by each student is five. The circumstances under which more or fewer than this number may be taken are explained in the rules. When satisfactorily completed, each hour of recitation a week for each semester counts one credit toward graduation, and as 120 credits of appropriately selected work must be completed for the attainment of either of the baccalaureate degrees conferred by Middlebury College (Bachelor of Arts and Bachelor of Science), it will be apparent that the 120 credits essential to graduation will be secured by carrying fifteen hours of recitation a week each semester for four years.

REQUIREMENTS FOR GRADUATION

THE following courses must be included in the 120 credits required for graduation: for every student one course of B grade in English, and two courses of B grade in either French or German. Every candidate for the degree of Bachelor of Arts must also complete two courses of B grade in Latin or Greek, and every candidate for the degree of Bachelor of Science must complete two courses of B grade in Mathematics.*

Every member of the Freshman class is required

* Members of the Class of 1915 who are candidates for the degree of Bachelor of Science may substitute, if so desired, for the second year of required Mathematics, two years of Biology, Chemistry, Geology, Physics, or Political Science.

to take English 1-2, and Mathematics 1-2; to choose three hours a week from the following courses: Greek 1-2 or 13-14, Latin 1-2, French, and German (including 1 a-2 a), with this exception, that a person who on entrance secures credit for three years of a modern language may substitute for three hours of the modern language requirement one of the electives listed below; and to complete the requirement of fifteen hours of recitation a week by electing from the following courses: Biology 1-2, Chemistry 1-2, History 1-2, Drawing and Surveying 1-2, Physics 1-2.*

Freshmen will be placed in those courses in modern language for which, in the judgment of the instructor, they are best fitted; and no student will receive credit for doing work in college of the same grade as that for which he has already received entrance credit. In meeting requirements for graduation, but not in fulfilling the requirements of majors and minors, admission credits of two points in a modern language are rated as the equivalent of two A courses, and admission credits of three points as the equivalent of two B courses.

MAJORS AND MINORS

In addition to the particular requirements stated above, a certain general arrangement of studies is made necessary by the desirability that each student shall distribute his elective courses through the different groups of instruction to an extent that shall secure for him the liberal culture which the college ought to impart, while at the same time he concentrates his efforts sufficiently

* Physics is open to those who have taken entrance credits in both Solid Geometry and Physics, including laboratory note-book.

in one or more fields of study to produce in them some degree of specialization. Such distribution and concentration are provided by major and minor subjects of study.

A major may be defined as a subject which a student elects to pursue in college through six graded courses (eighteen hours) of one department, of which not more than two courses shall be of A grade and not less than two shall be of C grade. A minor consists of a subject which a student elects to pursue in college through four graded courses (twelve hours) of one department, of which not more than two courses shall be of A grade.

The selection of majors and minors is made at the end of the Freshman year. Each prospective Sophomore registers his choice of two majors and two minors to be completed before graduation. Courses that have been taken in the Freshman year may be counted toward fulfilling major and minor requirements. In determining one's choice of majors and minors, care must be taken that the two majors are elected in different groups, that the two minors are likewise in separate groups, and that each student's majors and minors are so distributed as to include courses in each of the three groups. A major and a minor will then occur, in every case, in some one of the three groups.

Sophomores who are candidates for the degree of Bachelor of Arts will arrange their studies so that a major and a minor are both elected in either Group One or Group Two, while Sophomores who are candidates for the degree of Bachelor of Science will select their studies so that a similar combination occurs in either Group Two or Group Three.

Middlebury College

The following table shows the possible combinations of majors and minors in the three groups, with the degree to which each combination leads:

<i>Group One</i>	<i>Group Two</i>	<i>Group Three</i>	<i>Degree Pursued</i>
Major and minor	Minor	Major	A.B.
Major and minor	Major	Minor	A.B.
Major	Major and minor	Minor	A.B., B.S.
Minor	Major and minor	Major	A.B., B.S.
Minor	Major	Major and minor	B.S.
Major	Minor	Major and minor	B.S.

FREE ELECTIVES

ONE-HALF the total number of credits required for graduation are secured in meeting the major and minor requirements. To complete the 120 credits necessary for graduation, any courses may be chosen as free electives, subject only to the conditions stated in the description of the courses, the limitations of the schedule of recitations, and the distribution sheet of graded courses. A few courses are not graded. Such courses may be taken as free electives in the years designated and will be counted for credits toward graduation, but will not be counted toward fulfilling major and minor requirements. Free electives, like graded courses, are open to election to two classes only. Before registering, students should consult carefully the distribution sheet and the schedule of recitations.

DISTRIBUTION SHEET SHOWING THE GRADE OF
COURSES OPEN TO ELECTION
BY SOPHOMORES, JUNIORS, AND SENIORS

GROUP ONE	<i>Sophomore</i>	<i>Junior</i>	<i>Senior</i>	GROUP TWO	<i>Sophomore</i>	<i>Junior</i>	<i>Senior</i>	GROUP THREE	<i>Sophomore</i>	<i>Junior</i>	<i>Senior</i>
English *				Econ. & Soc. Sci.	A	A, B	B, C	Biology	A	A, B	B, C
French †				Fine Arts‡				Chemistry	A, B	B, C	C
German †				History	A, B	B, C	C	Drawing and Surveying	A	A, B	B, C
Greek	B	B, C	C	Music	A	A, B	B, C	Geology	A	A, B	B, C
Latin	B	B, C	C	Pedagogy	A	A, B	B, C	Home Economics	A	A, B	B, C
				Philosophy	A	A, B	B, C	Mathematics	B	B, C	C
				Political Science	A	A, B	B, C	Physics	A	A, B	B, C

* As the work of the Department of English is divided into the two sections of Composition and Literature, with different distributions, the classes to which the elective courses of the departments are open are indicated in the Courses of Instruction.

† The modern language courses of the Freshman year will be determined by the qualifications of the students; after the Freshman year these courses will follow in sequence, as indicated in the Courses of Instruction.

‡ The courses in the Department of Fine Arts are not graded, but together they constitute a minor.

REGISTRATION

EVERY student is required to register at the Registrar's office at the beginning of each semester. No student will be received in any recitation until he has presented to the instructor of that class a card from the Registrar's office admitting him to the course.

Students who have gained credits toward admission to college in any study which is offered in the curriculum will ordinarily be required to elect some other study in its place, which may be an advanced course in the same department or a course in some other department.

A Freshman admitted without conditions may request of the Registrar, at the time of registration, an examination for college credit in any subject of the Freshman year. If such examination is passed with a grade of 75 per cent, credit will be allowed for the course toward either degree, as though the subject had been taken regularly in college. A student passing off any subject or subjects in this manner will be required to make up fifteen hours of recitation a week from other studies offered to his class.

DEPARTMENTS AND COURSES OF INSTRUCTION

INSTRUCTION in all departments is open to the students of the Women's College, on equal terms with the men, under the same conditions of election, and with the same requirements for graduation.

Classes meet three hours a week in all courses unless otherwise stated. Courses with odd numbers are given in the first semester, those with even numbers in the second semester. The capital letter following the title of a course indicates the grade of that course. Prerequisite courses are shown in parentheses. A hyphen between two course numbers signifies that both are prerequisite. Bracketed courses are not offered in the current year.

I. BIOLOGY

Professor LAMBERT

1. GENERAL BIOLOGY. A

The object of this course is to provide students with a general knowledge of the principles of biology, the facts upon which these principles are based, and the methods by which the facts have been established. Types of both plants and animals, illustrating corresponding progress in structure and function in each group, will be studied in the laboratory.

Laboratory fee, \$5.

2. GENERAL BOTANY. B

This course provides a systematic survey of the plant kingdom and is planned to meet the needs of students who wish to obtain a general knowledge of Botany, and also of those

who intend to teach the subject. In the laboratory attention is given to the fundamental facts of plant anatomy and physiology, together with an examination of types of the principal phyla of the plant kingdom. (Biol. 1.)

Laboratory fee, \$5.

3. INVERTEBRATE ZOÖLOGY. B

Morphology of the Invertebrata. A systematic survey of the principal phyla of the invertebrate animals, including an investigation of their structure and relations, and an examination of the evolutionary principles involved in such a study. The work consists of lectures, recitations, and the examination in the laboratory of the morphological types of each phylum. (Biol. 1 and 2.)

Laboratory fee, \$5.

4. VERTEBRATE ZOÖLOGY. B

Morphology of the Vertebrata. The plan of study outlined for Biology 3 is applied, in Biology 4, to the study of the vertebrate animals. The two courses are consecutive, and those electing 3 are expected to continue in 4. These courses are especially recommended for those who are planning to teach, to take up the study of medicine, or to pursue further studies in the subject. (Biol. 3.)

Laboratory fee, \$5.

[5. BACTERIOLOGY. B

The principles of bacteriology, the methods employed in the study of bacteria, together with an investigation of the relation of the subject to sanitary science, household economics, and disease. The course is designed to meet the needs of students who plan to take up sanitary engineering or household economics. To be given in 1915-16. (Biol. 1.)]

Laboratory fee, \$5.

[6. ENTOMOLOGY. B

An introduction to the study of insects, their classification,

structure, habits, and life histories. Particular attention will be given to the consideration of their economic relations and the methods by which insect pests may be controlled. To be given in 1915-16. (Biol. 1 and 2.)]

Laboratory fee, \$5.

7. PLANT ANATOMY. C

This includes the study of the general principles of plant structure and growth, the derivation of the different tissues, and their formation into the various organic systems of the plant body, together with a brief investigation of their functions. Methods of imbedding and staining the preparations to be studied will be practiced in the laboratory. (Biol. 4.)

Laboratory fee, \$5.

8. EMBRYOLOGY. C

A study of the development of the vertebrate body. The work consists of discussion concerning the origin of the reproductive elements, maturation and fertilization and their relation to the problems of heredity, the origin of the germ layers, and the rise of the different organic systems of the body. The significance of the facts of embryology in relation to the theory of evolution is also considered. The development of the frog, chick, and a mammal will be studied in the laboratory. (Biol. 4.)

Laboratory fee, \$5.

II. CHEMISTRY

Professor MACGILTON

Assistant Professor VOTER

Assistant Professor LYFORD

I. DESCRIPTIVE CHEMISTRY. A

Non-metallic elements, their principal compounds, and their relation to the metals; acids, bases, and salts, and their forma-

tion; electrolytic dissociation, ionisation, Faraday's laws, and the theory of solution. Numerous chemical problems involving atomic and molecular weights, percentage composition, etc., are solved by the student. Lectures and recitations.

Laboratory fee, \$5. Professor MACGILTON.

2. GENERAL LABORATORY CHEMISTRY. A

Lectures, recitations, and laboratory work on general descriptive chemistry. By means of the study of the preceding semester the student is able to prepare the most important chemical compounds at his own desk. Full notes are kept by him of each step taken and each observation made, and frequent reports are presented to the instructor. The sources and industrial value of the substances handled are considered. (Chem. 1.)

Laboratory fee, \$5. Professor MACGILTON.

3, 4. QUALITATIVE ANALYSIS. B

Special attention is given to the analytical reactions of each base and to practice in the separation of metals from each other in unknown liquid and solid mixtures. The characteristic reactions of acid radicals are studied and the complete constitution of unknown bodies is determined. Preliminary tests and blow-pipe analysis are a part of the work. (Chem. 1-2.)

Laboratory fee, \$5 for each semester. Professor MACGILTON.

5. QUANTITATIVE ANALYSIS. C

Lectures and laboratory work on analytical methods of general application to quantitative chemistry. The use and manipulation of the chemical balance, general laboratory practice, accuracy of measurement, and stoichiometric problems especially emphasized. The semester's work consists of the usual gravimetric analyses and the complete analysis of a carbonate rock. (Chem. 3-4, or 23-24.)

Laboratory fee, \$5. Assistant Professor VOTER.

6. QUANTITATIVE ANALYSIS. C

The semester's work consists of volumetric analysis, involving the making of standard solutions, standardization of glass apparatus, and uses of various indicators. Technical methods in the analysis of commercial products are studied and introductory experiments in electro-analysis carried out. (Chem. 3-4, or 23-24.)

Laboratory fee, \$5. Assistant Professor VOTER.

8. ELEMENTARY THEORETICAL AND PHYSICAL CHEMISTRY. C

Lectures and reading. A practical course dealing with the historical development of chemical theory, stoichiometry, and the application of physico-chemical principles to chemical problems. (Chem. 3-4, or 23-24.)

Assistant Professor VOTER.

9, 10. DESCRIPTIVE ORGANIC CHEMISTRY. B

A study of the genetic relationships of the more important classes of the carbon compounds and their typical reactions. Preparation, constitution, analysis, and synthetic methods especially emphasized. Study of petroleum and coal-tar products, ethers, alcohols, fats, sugars, etc. Lectures. (Chem. 3-4, or 23-24, at least simultaneously.)

Laboratory fee, \$3 for each semester. Assistant Professor VOTER.

11, 12. ORGANIC PREPARATIONS. C

Chiefly laboratory work in the preparation and study of the typical organic compounds. Ultimate analysis. Proximate analysis of commercial and agricultural products. Testing. This course is designed to supplement and amplify Courses 9 and 10, and to provide a thoroughly practical training in Organic Chemistry. (Chem. 9-10.)

Laboratory fee, \$5 for each semester. Assistant Professor VOTER.

COURSES IN HOUSEHOLD CHEMISTRY

(For Students in the Women's College)

21. GENERAL CHEMISTRY. A

A course in elementary chemistry, in which the fundamental principles are developed with special reference to the problems of daily life.

Laboratory fee, \$5. Assistant Professor LYFORD.

22. QUALITATIVE ANALYSIS. A

Mainly by means of laboratory work, the student is directed in the application of the more important methods for detecting the nature and composition of substances encountered in household experience. Methods and simple apparatus are devised by the use of which it is possible to test the approximate purity of various household materials. (Chem. 21.)

Laboratory fee, \$5. Assistant Professor LYFORD.

23. ORGANIC CHEMISTRY. B

A study of the basal conceptions of the chemistry of the carbon compounds. Those portions of the subject are emphasized which contribute directly as a preparation for 24. (Chem. 22.)

Laboratory fee, \$5. Assistant Professor LYFORD.

24. CHEMISTRY OF FOODS AND NUTRITION. B

Physiological chemistry of fats, carbohydrates, proteins, and the inorganic foodstuffs. Metabolism, and the chemical basis of food values. The laboratory work consists of a study of the properties of the various food principles, together with the more important tests, and changes such as fermentation, digestion, putrefaction, etc. (Chem. 23.)

Laboratory fee, \$5. Assistant Professor LYFORD.

III. DRAWING AND SURVEYING

Assistant Professor SWETT

1. DRAWING. A

Lettering, title designing; geometrical problems, orthographic projection; problems relating to the point, line, and plane; intersection and development of solids bounded by plane surfaces.

Three two-hour periods.

2. DRAWING. A

Working drawings; technical sketching; map and topographical drawing; tracing and blue printing; shading, perspective, and isometric drawing. (D. and S. 1.)

Three two-hour periods.

3. DESCRIPTIVE GEOMETRY. B

Problems relating to the plane and to single curved, double curved, and warped surfaces. (D. and S. 1.)

Three two-hour periods.

4. MACHINE DRAWING AND SKETCHING. B

Designing of machine parts, including gearing. (D. and S. 1.)

Three two-hour periods.

5, 6. SURVEYING AND PLOTTING. B

Lectures, field work, and drafting. The use of the tape, compass, and transit is taught, followed by various forms of leveling instruments. (D. and S. 2, Math. 2.)

Three two-hour periods.

7, 8. ADVANCED SURVEYING. C

Methods of topographic and geodetic surveying; mathematics of curves, with applications to highways and railroads. (D. and S. 6.)

Three two-hour periods.

IV. ECONOMICS AND SOCIAL SCIENCE

Assistant Professor MORGAN

ECONOMICS

1. PRINCIPLES OF ECONOMICS. A

A general course for beginners, its purpose being to afford a systematic survey of the field of economics. The practical aspects of the production and use of wealth are discussed as fully as time permits.

2. MONEY, CREDIT, AND BANKING. B

Monetary theory, credit instruments, and the monetary history of the United States; the theory of banking, and the banking systems of the United States and the leading European countries. One-third of the time is devoted to laboratory work. (Econ. 1.)

[3. ECONOMICS OF TRANSPORTATION. B

Railway development, organization, and regulation, with special emphasis on American railways; ocean and inland water transportation. (Econ. 1.)]

4. PUBLIC FINANCE. C

The principles of government expenditures, revenue, and debt; examination of American and European tax systems, with special emphasis on present-day problems of taxation in the United States. (Any B course in Econ.)

[5. ECONOMICS OF CORPORATIONS. B

The growth of corporations in general; the promotion, organization, and management of typical corporations; government control; the trust problem. (Econ. 1.)]

[8. HISTORY OF ECONOMICS. C

The beginnings, the progress, and the various schools of economic science; survey of the writings of Adam Smith and the leading nineteenth century economists; economic analysis, including value, capital, rent, interest, and wages. (Any B course in Econ.)]

SOCIAL SCIENCE

12. SOCIOLOGY. A

Basis of society; social evolution; social institutions; social progress; modern social problems.

13. PHILANTHROPY. B

Dependents, defectives, and delinquents; heredity and environment in relation to these abnormal classes; their private and public treatment. (Soc. Sci. 12, or Econ. 1.)

15. PROBLEMS OF LABOR. C

Progress of the workers in Europe and America; conditions, wages, hours, legislation; methods of promoting industrial peace. (Any B course in Econ. or Soc. Sci.)

[16. SOCIAL REFORMS. C

Social romances; communistic experiments; history of socialism; examination of the works of selected modern socialists. (Econ. 1 and any B course in Econ. or Soc. Sci.)]

NOTE. Courses 3 and 5 are alternating courses, as are Courses 8 and 16; 5 and 16 will be given in 1915-16, and 3 and 8 the year after.

V. ENGLISH

Professor WRIGHT

Assistant Professor CADY

Assistant Professor HARRINGTON

1. COMPOSITION AND RHETORIC. A

A laboratory and lecture course, based on a series of problems illustrative of the principles of unity, coherence, and emphasis.

Required of all Freshmen. Assistant Professors CADY and HARRINGTON.

2. COMPOSITION AND RHETORIC. A

A continuation of 1, together with a study of the paragraph, the sentence, and the word.

Required of all Freshmen. Assistant Professors CADY and HARRINGTON.

3. HISTORY OF ENGLISH LITERATURE. A

A rapid treatment of the successive phases of English literary development. The leading factors of English history are also discussed whenever they are necessary to an adequate understanding of the subject. (Eng. 1-2.)

Professor WRIGHT.

4. HISTORY OF AMERICAN LITERATURE. A

A treatment of the successive phases of American literary development, similar to that of 3. (Eng. 1-2.)

Assistant Professor CADY.

5, 6. PUBLIC SPEAKING. B

A study of the principles of the adequate and effective expression of ideas before an audience, together with practice in the application of these principles. (Eng. 1-2.)

Assistant Professor HARRINGTON.

9. SHAKESPEARE. B

A study of the fundamental facts of Shakespeare's life and art, as illustrated in a selected number of the plays. (Eng. 3.)

Assistant Professor CADY.

10. SHAKESPEARE. B

A continuation of the study of Shakespeare's life and art, as begun in 9. Course 10 may be elected, however, though 9 has not been taken. (Eng. 3.)

Assistant Professor CADY.

11. PRE-SHAKESPEAREAN DRAMA. C

A study of the development of the English drama up to the time when Shakespeare began his work. (Eng. 9-10.)

Assistant Professor CADY.

[13. MIDDLE ENGLISH LITERATURE. C

To be given in 1915-16. (Eng. 3.)]

Assistant Professor HARRINGTON.

[14. THE ENGLISH NOVEL. B

To be given in 1915-16. (Eng. 3.)]

Assistant Professor HARRINGTON.

15, 16. NINETEENTH CENTURY POETRY. B

A course conducted by means of lectures, assigned reading, and written tests. For lack of time, only the major poets of the period can be considered. (Eng. 3.)

Assistant Professor HARRINGTON.

17. NINETEENTH CENTURY PROSE. B

A course similar in method to 15, 16. (Eng. 3.)

Professor WRIGHT.

[19. SEVENTEENTH AND EIGHTEENTH CENTURY LITERATURE. B

To be given in 1915-16. (Eng. 3.)]

Professor WRIGHT.

[23. THE PRINCIPLES OF LITERARY CRITICISM. C

To be given in 1915-16. (Eng. 3 or 4.)]

Professor WRIGHT.

25. THE PRINCIPLES OF POETICS. C

A study of the technical principles of the art of verse, and of its various forms in English poetry. (Eng. 3 or 4.)

Professor WRIGHT.

NOTE. *Majors and Minors in the Department of English:* A minor may be pursued in English Composition, and either a major or a minor in English Literature. Courses 1, 2, 5, and 6 will fulfil a minor requirement in English Composition. Courses 5 and 6 will also count toward fulfilling either a major or a minor requirement in English Literature, but Courses 1 and 2 will not so count.

Distribution of Elective Courses in the Department of English: Courses 3, 4, 5, and 6 are open to Sophomores and Juniors; Courses 9, 13, 14, 15, 16, 17, 19, 23, and 25, to Juniors and Seniors; Course 10, to Sophomores, Juniors, and Seniors; Course 11, to Seniors.

VI. FINE ARTS

Assistant Professor THROOP

Professor SANFORD

Professor BURRAGE

I. GREEK ART

Instruction is given by lectures and stereopticon talks, supplemented by extensive reading on the student's part. Written tests come every two weeks. The art and civilization of

Assyria, Egypt, and other nations whose work had a formative influence on the Greeks are treated extensively by way of introduction to Greek Art proper.

Open to all Juniors and Seniors. PROFESSOR BURRAGE.

2. ROMAN ARCHEOLOGY, ROMAN AND MEDIEVAL ART

The buildings and statuary of Ancient Rome and its colonies; an outline story of architecture, sculpture, and painting through the early Christian, Byzantine, Romanesque, Gothic, and Italian Renaissance movements, including the period of Raphael and Michael Angelo. The illustrations are by photographs and lantern slides.

Open to all Juniors and Seniors. PROFESSOR SANFORD.

3, 4. HISTORY OF ART FROM THE RENAISSANCE

Architecture, sculpture, and painting. The work of the first semester will cover the period from the Renaissance to the French Revolution. The work of the second semester will concern itself with nineteenth century art, including a study of the influence of William Morris and the spread of interest in decorative art in the home. A survey of contemporary schools and tendencies will also be included. Students electing Courses 3 and 4 must have taken Courses 1 and 2, or must satisfy the instructor of their fitness to pursue the work.

ASSISTANT PROFESSOR THROOP.

NOTE. Courses 1 and 2 were conducted for a number of years in connection with the work of the Greek and Latin Departments. The Department of Fine Arts, of which they are now a part, concerns itself at present with historical development.

VII. FRENCH

Assistant Professor ROBINSON

1, 2. BEGINNERS' FRENCH. A

Elements of grammar; drill in pronunciation; reading and translation of easy prose; study of irregular verbs; dictation exercises; free reproduction of passages read.

3, 4. INTERMEDIATE FRENCH. B

Thorough review of grammar; composition, and translation from English into French; sight translation and free reproduction. Much emphasis is laid upon the reading, in French, of easy texts; retroversion. (French 1-2; or two years of preparatory school French.)

5, 6. CONTEMPORARY FRENCH. C

A course in modern prose, poetry, and the drama, supplemented by a study of some of the more representative French reviews and newspapers, with weekly exercises in writing French. (French 3-4; or three years of preparatory school French.)

[7, 8. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. C

The classical drama — Corneille, Molière, Racine; the poetry of La Fontaine and Boileau; French prose from Descartes to St. Simon. (French 5-6.)]

[9, 10. FRENCH LITERATURE IN THE EIGHTEENTH CENTURY. C

Montesquieu, Voltaire; Diderot and the Encyclopedists; the Revolution, and its bearing on literature; Rousseau and his philosophy; Le Sage, Marivaux, Beaumarchais. (French 5-6.)]

11, 12. FRENCH LITERATURE IN THE NINETEENTH CENTURY. C

The Romanticists; Realism and Naturalism; literary criticism—Chateaubriand, Sainte-Beuve, Taine; the modern drama. (French 5-6.)

13, 14. AN ADVANCED COURSE IN FRENCH SYNTAX. C

This course, for students planning to teach French, will consist of a critical study of the principles of syntax and the best methods of presenting these principles. (French 5-6.)

Open only to Seniors.

NOTE. Courses 7-8, 9-10, and 11-12 are given in sequence; 7-8 will be offered in 1915-16, and 9-10 in 1916-17.

In the Department of French, students of any class will be assigned to those courses for which, in the judgment of the instructor, they are best fitted.

VIII. GEOLOGY

Assistant Professor LYFORD

1. INTRODUCTORY PHYSIOGRAPHY. A

An introduction to earth science. The origin, development, and classification of land forms. The study of natural factors limiting the extent of industry, population, and civilization. Nature as a system of forces in dynamic equilibrium. This course serves well as a foundation for the teaching of physical geography.

2. DYNAMIC AND STRUCTURAL GEOLOGY. A

Atmospheric, aqueous, igneous, and organic agencies acting on and modifying the earth's crust. The rocks of the earth; the structure of rock masses; stratification; dislocation and metamorphism.

3. HISTORICAL GEOLOGY. B

History of ideas concerning the significance of fossils. Evolution of the earth and the organic kingdom. Illustrated by an extensive collection of fossils, maps, charts, and biological material. (Geol. 2.)

8. ORGANIC EVOLUTION. C

Evidences and factors of evolution. History of theories of organic evolution. Besides text-book study and lectures, the course comprises readings of such authors as Lamarck, Hugh Miller, Darwin, and other classics. This course is designed to appeal especially to the general student with an elementary preparation in Biology and Geology. (Biol. 3-4.)

IX. GERMAN

Professor SKILLINGS

Mr. DAVISON

1, 2. BEGINNERS' GERMAN. A

Essentials of phonetics. Drill in pronunciation and in comprehending the spoken language. Elements of grammar. Memorizing of idioms and poems. Dictation. Reading of simple prose.

Mr. DAVISON.

1a, 2a. BEGINNERS' GERMAN. A

These courses come six times a week; they are strongly recommended to those students who wish a more thorough foundation in the elements than a three-hour course permits. They may be elected as two of the five courses required of Freshmen, and count six points toward the A.B. or B.S. degree.

Mr. DAVISON.

3, 4. INTERMEDIATE GERMAN. B

Rapid review of grammar. Sight reading. Conversation, free reproduction, and composition based on the texts read. Memorizing of idioms and poems. Study of synonyms and of word formation. Grammar drill. Assigned outside reading. (Germ. 1-2; or two years of preparatory school German.)

Professor SKILLINGS and Mr. DAVISON.

5, 6. SCIENTIFIC GERMAN. B

A course for those who wish the training that will enable them to consult works of reference in German. Assigned outside reading. (Germ. 1 a-2 a; or 3-4.)

Professor SKILLINGS.

7. THE CLASSIC PERIOD. C

Lessing's life and selected works are studied in class. Practice in writing and speaking German. Assigned outside reading. (Germ. 3-4; or three years of preparatory school German; or, at the discretion of the instructor, 5-6.)

Professor SKILLINGS.

8. THE CLASSIC PERIOD. C

Schiller's life and selected works are studied in class. Practice in writing and speaking German. Assigned outside reading. (Germ. 7.)

Professor SKILLINGS.

[9. GOETHE'S LIFE AND WORKS. C

A study of Goethe's personality and influence based upon the study of his selected works. Assigned outside reading in Goethe's works not read in class. (Germ. 8.)]

Professor SKILLINGS.

[10. SURVEY OF GERMAN LITERATURE TO THE CLASSIC PERIOD. C

A course designed to give a comprehensive knowledge of the great movements and the leading ideas in German literature till Klopstock. Assigned outside reading. (Germ. 9 or 12.)

Professor SKILLINGS.

11, 12. THE GERMAN DRAMA SINCE SCHILLER. C

A study of selected masterpieces of Kleist, Grillparzer, Hebel, Hauptmann, Sudermann, and others. The development of the drama in the nineteenth century is traced. Assigned reading in the drama. These courses alternate with 9-10. (Germ. 8.)

Professor SKILLINGS.

14. TEACHING METHODS; PRACTICE IN WRITING AND SPEAKING. C

Training in phonetics and the direct method for those intending to teach German. Assigned outside reading. (Germ. 8.)

Professor SKILLINGS and Mr. DAVISON.

NOTE. In the Department of German, students of any class will be assigned to those courses for which, in the judgment of the instructor, they are best fitted.

X. GREEK

Professor BURRAGE

1. SELECTIONS FROM THE GOSPEL OF MARK; HERODOTUS. B

In connection with the study of the text there are frequent exercises in composition, and a thorough review of forms and syntax.

2. HOMER. B

The *Odyssey*. Those parts of the epic that are of most vital

interest are carefully translated and studied. The ethical import is kept carefully in view, and the conditions of the life described in the poem are illustrated by a consideration of archeological discoveries. Facility in reading is promoted by frequent exercises in sight translation.

3. EURIPIDES: IPHIGENIA AMONG THE TAURIANS;
SELECTIONS FROM THE LYRIC POETS. B

An introduction to other forms of poetry than the epic, and to other kinds of meter than the dactylic hexameter. The development in poetical form from Homer to Euripides is traced. Among the authors from whom extracts are made are Archilochus, Alcaeus, Sappho, Anacreon, Simonides, and Bacchylides. In connection with Euripides, lectures are given on the origin, history, and purpose of the drama. (Greek 1-2.)

4. PLATO AND XENOPHON. B

Apology, *Crito*, selections from the *Phaedo* of Plato; the *Memorabilia* of Xenophon. A study in the life, character, and opinions of Socrates, as he is portrayed by his two friends and disciples. Elementary statement of a few of the problems of philosophy that Socrates raised and tried to deal with. Discussion of the position occupied by Socrates and Plato in the world of philosophy. (Greek 1-2.)

5. SOPHOCLES AND AESCHYLUS. C

The *Oedipus Tyrannus* and *Electra* of Sophocles; the *Prometheus* and *Persians* of Aeschylus. (Greek 3-4.)

6. AESCHYLUS, EURIPIDES, AND ARISTOPHANES. C

Selections from the *Oresteia* of Aeschylus; the *Medea* of Euripides; the *Frogs* of Aristophanes. Courses 5 and 6 give a fairly complete idea of the four great dramatists of Athens, and lay a foundation for courses in the modern drama or in

ethics. External changes in the drama are noted, and the growth of religious concepts is traced. The remaining plays of the authors are read by the student in translation, and reports are required on the more important ones. (Greek 5.)

[7. PLATO'S REPUBLIC. C
(Greek 3-4.)]

[8. ARISTOTLE'S ETHICS. C

Courses 7 and 8 alternate with 5 and 6. They afford students of philosophy and ethics a chance to read in the original tongue the two masterpieces of the two greatest minds of antiquity. The charm of the *Republic* as literature will receive special emphasis, and the selections will include all the passages of startling originality. (Greek 7.)]

9. THE ANABASIS AND THE ILIAD. C

For students who plan to teach Greek. Familiarity with the style of Xenophon and Homer is promoted by copious reading. Careful distinction is made between the essentials and the non-essentials of the language, and an attempt is made to construct such a teaching scheme as will save the pupil's time and maintain his interest. The leading text-books are compared and criticised. Methods of teaching vocabulary, grammar, reading at sight, and translation are discussed. (Two years of College Greek.)

[10. THE GREEK DRAMA IN TRANSLATION

This course requires no knowledge of Greek. It lays a foundation for the study of the modern drama. The plays read either have value of their own or have exercised an influence on later writers. To be given in 1915-16.]

Open to all Juniors and Seniors.

12. GREEK POETRY IN TRANSLATION (exclusive of the Drama)

This course affords an opportunity to read the most spirited and adequate modern translations of poetry of such divergent types as Epic, Lyric, Pastoral, and Occasional. Homer, Pindar, Sappho, Theocritus, and the writers of the Anthology are among the authors read.

Open to all Juniors and Seniors.

13, 14. BEGINNERS' GREEK. A

A course for those who wish to begin Greek in college. During the first semester the elements of the language are acquired from some one of the First Greek Books. In the second semester, portions of the *Anabasis* are read, with easy selections of more general interest. The course must be continued through two semesters, and should fit the student to take up the regular Freshman Greek the following year.

XI. HISTORY

Assistant Professor WETHERELL

Assistant Professor ABBOTT

Assistant Professor WHITE

1. MEDIEVAL EUROPEAN HISTORY. A

A study of the progress of Western Europe in civilization and political organization from the days of the Roman Empire to the sixteenth century. Courses 1 and 2 cover periods of peculiar interest in the development of nations of the first importance, and are of especial value to all who wish to take work in economics, political science, history, or pedagogy.

Assistant Professor ABBOTT.

2. MODERN EUROPEAN HISTORY. A

A continuation of the political history of Europe from the sixteenth century, with some attention to social, industrial, and economic conditions. The course is introductory to some of the greatest political and international problems of the present time. The influence of England is emphasized and the connections with American history are made clear.

Assistant Professor ABBOTT.

3. AMERICAN HISTORY TO 1815. B

A broad outline which may be taken as an end in itself, or as a basis for more intensive work. A good preliminary knowledge of European—especially English—history is considered essential. (Hist. 1-2.)

Assistant Professor WETHERELL.

4. AMERICAN HISTORY FROM 1815. B

A continuation of 3 to the present time. (Hist. 1-2.)

Assistant Professor WETHERELL.

6. ENGLISH HISTORY. B

A broad general course covering the entire period of English history. History 6 and Political Science 1 are not open to election by the same student. (Hist. 1.)

Assistant Professor WETHERELL.

9. EXPANSION OF THE AMERICAN PEOPLE TO 1840. C

An advanced course for qualified students. Geography and history are closely correlated. Physical geography and primitive conditions of America; European colonization as influenced by natural conditions; shifting of the frontier toward the west, with variations; effects on the European settlers of the struggle with New World conditions; successive stages of life left by advancing frontiers; acquisitions of territory,

geographic areas, and sectionalism; local and national problems growing out of expansion. (Hist. 3-4.)

Assistant Professor WETHERELL.

10. EXPANSION OF THE AMERICAN PEOPLE FROM 1840. C

A continuation of 9 to the present time. Courses 9 and 10 alternate with 11 and 12. (Hist. 3-4.)

Assistant Professor WETHERELL.

[11. THE AMERICAN CIVIL WAR, 1850-1877. C

A broad treatment of the Civil War as a transition period in American history; military and naval events are subordinated, and economic, social, and political developments emphasized. To be given in 1915-16. (Hist. 3-4.)]

Assistant Professor WETHERELL.

[12. AMERICAN POLITICAL HISTORY SINCE 1877. C

A study of political issues, party organizations, and governmental development in the United States since the Civil War. Emphasis is placed on the interpretation of election returns in the light of economic and social conditions. To be given in 1915-16. (Hist. 3-4.)]

Assistant Professor WETHERELL.

13. METHOD IN HISTORY. C

The philosophy of history, and methods, for advanced students and prospective teachers. The nature and essential elements of history; relation of history to other subjects; forms of historical materials; methods of criticising and using sources; bibliography; working libraries; source-books; textbook criticism; maps, charts, and other aids; elementary and advanced phases of historical study; the organization of historical knowledge. (Two B courses in History.)

Assistant Professor WETHERELL.

14. ANCIENT HISTORY. B

A survey of the development of ancient civilization, with special emphasis on the history of Greece and Rome. Much attention is paid to the use of sources, as being of extreme importance in supplying the proper view-point and stimulus, especially to those who are to teach Ancient History in high schools. (Hist. 1.)

Assistant Professor WHITE.

16. INDIVIDUAL RESEARCH. C

In this course the student discovers and solves his own problems, with the aid of suggestions from the instructor. Limited to those who have shown special ability in other courses of the department. (Hist. 13; average of 85; special approval of instructor.)

Assistant Professor WETHERELL.

XII. HOME ECONOMICS

(For Students in the Women's College)

Assistant Professor SPAULDING

1, 2. FOOD: ITS SELECTION AND PREPARATION. A

The classification, composition, and function of foods. The principles involved in the application of heat to food constituents, and the various processes applied in the preparation of foods. Recitations and laboratory work.

Laboratory fee, \$5 for each semester.

3. NUTRITION AND FOOD ECONOMY. B

The nutritive value and place in the diet of foods. Comparative cost of foods and the processes of preparation. Advanced study of cookery. The preparation, serving, and cost

of meals. Lectures, recitations, and laboratory work. (H. E. 1-2 and Chem. 21-22.)

Laboratory fee, \$5.

4. HOUSEHOLD HYGIENE. B

Food products, their manufacture, preservation, and adulteration. Legislation in regard to pure foods, and its results. The care of food in the home. Household sanitation, including building, drainage, water supply, heating, plumbing, cleaning, and ventilating a house. (H. E. 3.)

5. TEXTILES. A

The history and processes of textile manufacture. The study of quality and cost of materials. Laboratory work, including the making of fundamental stitches; the use of commercial patterns; hand and machine sewing applied to simple garments.

Laboratory fee, \$1.

6. DIETETICS. C

The principles of nutrition; the chemistry and physiology of digestion. A study of diets under differing conditions; children's diets; school lunches; invalid cookery, and detailed work in the preparation of balanced meals. Recitations and laboratory work. (H. E. 3; Biol. 1; Chem. 24.)

Laboratory fee, \$5.

7. HOUSEHOLD MANAGEMENT. C

Economic function of woman and the home; evolution of the home; organization of the household; furnishing and decoration; buying of supplies; accounting and division of the income; care of the house. In 1914-15, this course will be given with 4. (H. E. 4.)

9, 10. METHODS. C

Lectures on the methods of teaching Home Economics. Planning courses of study, and making lesson plans. Studies in equipment. Practice work in teaching high-school classes.

XIII. LATIN

Professor SANFORD

Assistant Professor WHITE

1. LIVY. A

For translation such chapters of Books xxi-xxxix are selected as to constitute a fairly comprehensive story of the second Carthaginian war. Question and answer in Latin give the student a direct knowledge of simple form and syntax. Prose exercises are required, based on the text. These include a review of elementary principles of Latin writing, study of vocabulary, practice in handling verb forms, and the development and use of cases.

Assistant Professor WHITE.

2. CICERO. A

Selections from the *Letters*, and reading of *De Amicitia*. The historical outline takes up the story of the struggle between Republic and Empire, and runs contemporaneously with the fortunes of Caesar and Cicero as written in the *Letters*. The reading of *De Amicitia* will be made in close connection with a weekly study of the use of mode in Latin. To familiarize the student with the living language, part of the recitation will be conducted in Latin.

Assistant Professor WHITE.

3. PLINY THE YOUNGER. B

Selections from the *Letters* presenting a large number of references to life and customs are chosen for translation. The course is intended to bring the student into closer touch with the daily life of the Romans than is given in the authors previously read. Either this course or Latin 5 is requisite to all of the translation courses following. (Latin 1-2.)

Professor SANFORD.

4. HORACE. B

Selected *Odes* and *Epodes*. By comparison of the odes with lyrics in Latin and other languages the class attempts to estimate the place of Horace among the poets. The debt of English poetry to Horace is continually referred to, and borrowed or suggested phrases, imitations, and translations in our own lyrics are daily sought in illustration. Very careful preparation of note-books is required. (Latin 3 or 5.)

Professor SANFORD.

5. TACITUS. B

The *Germania* and *Agricola*. Comparison of the style of Tacitus with that of other writers of his time. A study of the Roman colonial system. Outline of the history of the later Empire, with brief investigation into the subject of the influence of Rome on the northern tribes and, incidentally, our own inheritance of law and custom from them. Library reading. (Latin 1-2.)

Assistant Professor WHITE.

6. PROSE WRITERS OF THE EMPIRE. C

Readings in Paterculus, Curtius, Seneca, Quintilian, Gellius, Apuleius, Marcellinus, and others, as far as the patristic literature. (Latin 3 or 5.)

Professor SANFORD.

7. A STUDY IN LATIN VERSE. C

Fragments preserved from the early writers are quoted to point out the beginnings of poetry. Selections from Catullus, Horace, Vergil, Ovid, Tibullus, Propertius, and others, are read to show Latin verse in its perfection. A few poems of the Silver Age are given to indicate the changes of form and style to medieval and monkish rhymes. The hymnology of the early Church. (Latin 4.)

Professor SANFORD.

8. AN HISTORICAL STUDY IN TACITUS. C

An intensive study of some period or topic from the early Roman Imperial Era, with the text of the *Annals* as a base. The aim is to develop in the student a spirit of historical criticism, and to help him to use historical material methodically, especially sources. The course is particularly valuable to those who may teach Ancient History. (Latin 5.)

Assistant Professor WHITE.

[9. ROMAN COMEDY. C

The translation of the *Captivi* of Plautus and the *Andria* of Terence, with rapid readings from other comedies. To be given in 1915-16. (Latin 3, 4, or 5.)]

Professor SANFORD.

[10. A STUDY IN ROMAN PHILOSOPHY. C

Readings from the *Tusculan Disputations* of Cicero, *De Re- rum Natura* of Lucretius, with extracts from Seneca, Marcus Aurelius, and Boethius. To be given in 1915-16. (Latin 4.)]

Professor SANFORD.

11. ADVANCED LATIN PROSE. C

An investigation of vocabularies found in prominent Latin authors of both prose and poetry; a comparison of the periodic sentence with the loose structure of the English; examination of the diction of the authors used in the preparatory work; the writing of detached sentences and of connected discourse. (One C course.)

Professor SANFORD.

12. THE TEACHING OF PREPARATORY LATIN. C

A study of methods and authors used; the relative value of vocabularies, grammatical drill, and sight reading; examination of text-books; Caesar and the substitute authors; the Latin element in English speech, Grimm's law; alternate

drifts toward the Latin and toward the Saxon forms; colloquia; tests; the necessity of making Latin a live language; quality versus quantity; literary appreciation. (One C course.)

Professor SANFORD.

13. ROMAN ORIGINS

An outline story of our debt to the Roman nation in word-making, syntax, literary style and content, myth and tradition, phrases and saws, ritual, government, law and court proceedings, architecture, engineering and road-making, miscellaneous arts and professions. A summary of the reasons for the present place of Roman life and Latin in cultural and practical education. No knowledge of the language is required.

Open to all Seniors and Juniors. Professor SANFORD.

15. OUTLINES OF LATIN LITERATURE. C

A review of all the authors from Ennius to Boethius; reading of translations; an attempt to form an estimate of the place and value of the literature as a whole, and the tendencies toward appreciation and depreciation at the present time; the passing of the Latin into the Italian, the French, and the other Romance languages; the jingles and the rhymes of the monks; attempts to revive the vernacular. (One C course.)

Professor SANFORD.

XIV. MATHEMATICS

Assistant Professor CRESSE

Assistant Professor PERKINS

I. SOLID GEOMETRY AND INTRODUCTION TO TRIGONOMETRY. A

Required of all Freshmen who do not enter with credit for Solid Geometry. Assistant Professor PERKINS.

2. PLANE TRIGONOMETRY AND ALGEBRA. A

The topics in algebra are the same as for Math. 2a.

Required of all Freshmen who do not enter with credit for Solid Geometry. Assistant Professor PERKINS.

1 a. PLANE AND SPHERICAL TRIGONOMETRY. A

Required of all Freshmen who enter with credit for Solid Geometry. Assistant Professor CRESSE.

2 a. ALGEBRA. A

Properties of quadratics; complex numbers; binomial formula; permutations and combinations; graphical investigation of equations of the first, second, and third degree; theory of equations; determinants.

Required of all Freshmen who enter with credit for Solid Geometry. Assistant Professor CRESSE.

3. LOGARITHMS AND TRIGONOMETRY. B

Theory and use of logarithms; trigonometric analysis; solution of triangles; application to the data of a surveyor. (Solid Geom.) [This course will be replaced by 1 a after 1914-15.]

Assistant Professor CRESSE.

4. PLANE ANALYTIC GEOMETRY. B

Loci and their equations in Cartesian coördinates; transformation of axes; the line, circle, parabola, ellipse, hyperbola; the general equation of the second degree; poles and polars; use of polar coördinates. (Math. 1 and 2, 1 a and 2 a, or 2 a and 3.) [This course will be numbered 3 after 1914-15.]

Assistant Professor CRESSE.

5. DIFFERENTIAL CALCULUS. C

(Math. 4.)

Assistant Professor CRESSE.

6. INTEGRAL CALCULUS. C

(Math. 5.)

Assistant Professor CRESSE.

7. HIGHER PLANE CURVES. C

A course in method of determining the characteristics of algebraic curves from their equations. The principles of homogeneity, linear combinations, and "signing" are developed and applied to the discussion of the general characteristics of second, third, and fourth order curves. About fifty of the best known algebraic curves are discussed and their characteristics discovered. (Math. 5.)

Assistant Professor PERKINS.

8. ADVANCED ANALYTIC GEOMETRY. C

Selected topics and problems in solid analytic geometry: methods of modern analytic geometry, including homogeneous coördinates, abridged notation, inversion, polar reciprocation, and projection. (Math. 4.)

Assistant Professor CRESSE.

9, 10. ADVANCED CALCULUS. C

The fundamental theory of calculus; Taylor's Formula and allied topics; introduction to vector analysis; ordinary differential equations; infinite series; elliptic integrals. (Math. 6.)

Assistant Professor CRESSE.

11, 12. THE THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. C

The aim of this course is through assigned readings and classroom discussion to acquaint the student with the generally employed conceptions of higher analysis. Problems are given which tax the ingenuity of the student less than they require a mastery of the theory. (Math. 6.)

Assistant Professor CRESSE.

13, 14. MECHANICS. C

The theoretical and practical treatment of kinematics, dynamics, statics, friction, kinetics of particles, kinetics of rigid bodies, and the dynamics of rotation. (Math. 6.)

Assistant Professor PERKINS.

XV. MUSIC

Assistant Professor ROYCE

1, 2. HARMONY. A

Consonant and dissonant, diatonic and chromatic harmony, keyboard work, and elementary composition are included in this course, which is the first step toward practical music-writing.

3, 4. MUSICAL FORM. B

An exposition, through lectures with practical illustrations, of the scientific and esthetic principles governing musical construction.

5, 6. HISTORY OF MUSIC. C

A course explanatory of the nature, purpose, and development of music. Emphasis is placed likewise upon a discussion of the lives and work of the great masters.

7, 8. COUNTERPOINT. C

A study of the simultaneous combination of melodies from the standpoint of the composer. Consideration of the various species and allotments. Some knowledge of harmony is presupposed on the part of those electing counterpoint.

[9, 10. CANON AND FUGUE. C

Logical continuation of the study of counterpoint. Two,

three, and four voiced single and double canons in the various intervals, two, three, and four voiced single and double fugues, and original compositions in the small forms will be written by the students and instructor, both separately and in consultation.]

11, 12. APPRECIATION OF MUSIC. A

Discussion of musical esthetics from the historical and formal points of view, with the purpose of developing the faculty of critical listening. Practical illustration, by the instructor and others, and papers written by the class, are important features of the work.

Open to Sophomores and Juniors.

13, 14. PRACTICAL COURSE

This will consist of private lessons in piano playing, the hours to be arranged for individually.

Two half-hour lessons or one one-hour lesson a week. Open to all students. Fee, \$40 for each semester.

NOTE. The courses in the theory and history of music (1-12) will receive credit toward a degree and are subject to no additional fee; for private lessons (13, 14) no credit toward a degree will be allowed. Students wishing to elect courses in the Department of Music must have some knowledge of the elements of musical notation and must satisfy the instructor of their fitness to pursue the special courses chosen.

XVI. PEDAGOGY

Professor COLLINS

Professor McFARLAND

I. HISTORY OF EUROPEAN EDUCATION. A

Educational views and customs in ancient, medieval, and modern times. School life in Greece; Graeco-Roman schools and

schoolmasters; decline of classical learning; rise of church control; schools of the Middle Ages; educational significance of the Renaissance and the Reformation; genesis of modern educational ideals. History 1 and 2 are desirable preliminary courses.

Professor MCFARLAND.

2. PSYCHOLOGY OF CHILDHOOD. A

Ways of studying the physical and mental development of children; the nervous system and its functions; the dawning of conscious life; development of senses and their part in education; steps in mental development; the process of learning; types of mental functioning; the psychological basis of method.

Professor COLLINS.

3. PSYCHOLOGY OF ADOLESCENCE. B

A study of the period of adolescent development and of the needs of adolescence. The course aims to present the known facts of the nature and development of the mind and physical organs during adolescence, in order to place the prospective teacher in sympathetic contact with high-school students. (Ped. 2 or Phil. 3.)

Professor MCFARLAND.

4. AMERICAN EDUCATION. B

Lectures on the evolution of the public school system in its elementary, secondary, and collegiate features; with detailed studies of the present organization and current problems of education in the United States, and students' reports on comparisons drawn from contemporary European schools. (Ped. 1, 2, or 3.)

Professor COLLINS.

[5. PRINCIPLES OF EDUCATION. B

A general introduction to pedagogy from the genetic point of view, defining education and tracing its bases in biology, physiology, psychology, and epistemology. The course will include a study of the Herbartian theory. (Ped. 1, 2, or 3, or Phil. 1, or Biol. 1.)]

Professor COLLINS.

6. METHODS OF TEACHING. B

Elements of general method; the method of the recitation; how to study; efficient use of the materials of the class-room; practice in class teaching. A course intended primarily for those preparing to teach in high schools. (Ped. 2 or 3.)

Professor McFARLAND.

7. HIGH-SCHOOL ADMINISTRATION. C

The organization and management of secondary schools; hygienic conditions; the curriculum; the relation between principal and assistants; standards of excellence in high-school work; proper utilization of the school plant and equipment; school law. (Any B course in Ped.)

Professor McFARLAND.

8. SECONDARY EDUCATION. C

Studies in special method relating to high-school languages, history, science, and mathematics; a consideration of the value, the content, the problems, and the methods of teaching special subjects; the teacher's preparation; necessary school equipment; standards of excellence; practice teaching in class. (Any B course in Ped.)

Professor McFARLAND.

9, 10. RURAL SCHOOL SUPERVISION. C

A discussion of the problems of supervision, with especial reference to the superintendent's functions in training and

improving teachers. A course for men intending to enter upon the work of educational management. Students wishing to take this course must secure the permission of the instructor. (Any B course in Ped.)

Professor McFARLAND.

11, 12. PRACTICE TEACHING

This course is pursued by qualified Seniors, who are selected by the head of the department to conduct regular classes in the public high school in mathematics, modern languages, Latin, and history.

Professor COLLINS.

XVII. PHILOSOPHY

Assistant Professor CUNNINGHAM

1. LOGIC. A

A study of the principles underlying correct reasoning. Interpretation of propositions; analysis of the various types of reasoning, both inductive and deductive. Construction and criticism of arguments. The course aims to cultivate in the student the capacity for correct reasoning by enabling him to detect fallacies and to correct them.

[2. PSYCHOLOGY. A

Investigation of the elementary problems of normal psychology. The simple and complex mental processes: sensations, memory, imagination, association of ideas, the emotions, the self. Reading in the text supplemented by experiments. To be given in 1915-16.]

[3. ARGUMENTATION AND DEBATE. B

The fundamental principles of argumentation. Practice in the construction of outlines. Presentation and criticism of com-

plete arguments on questions of current interest. Debates. To be given in 1915-16. (Phil. 1, or Eng. 5, 6.)]

4. INTRODUCTION TO PHILOSOPHY. B

This course deals in an elementary way with the fundamental problems of philosophy. Various theories of reality are studied and criticised, the aim of the criticism being to encourage the student to think for himself and to systematize his own views. The philosophical implications of the theory of evolution are investigated. (Phil. 1, 7, or 8.)

5. ETHICS IN HISTORY. B

A study of history as an expression of ethical ideals. The great nations, both ancient and modern, are studied. Constant reference to present problems. The aim of the course is to give the student an historical background in the light of which he may deal more intelligently with the moral problems that daily confront him. A knowledge of general history is presupposed.

6. GENERAL ETHICS. C

A critical survey of moral problems. The principal ethical theories that have arisen in the course of the development of modern thought are investigated. The course is directed in the light of the practical problems of individual and social life. (Phil. 4, 5, 7, or 8.)

7. HISTORY OF PHILOSOPHY AND ETHICS. B

General survey of philosophical and ethical theories from the Greek thinkers of the sixth century B.C. to the beginning of the modern era. Greek thought is dealt with at some length, particular attention being devoted to Socrates, Plato, and Aristotle. The period of the Middle Ages is passed over more rapidly, but enough time is given to it to enable the student to grasp its different tendencies. (Phil. 1, 4, or 5, or Ped. 1.)

8. HISTORY OF PHILOSOPHY AND ETHICS. B

A general review of the development of modern thought, particularly of the eighteenth and nineteenth centuries. The Empiricists, Rationalists, Kant, and Hegel are studied. Post-Hegelian thought is outlined and the present status of philosophical and ethical inquiry indicated so far as time permits. A continuation of 7, although the course may be taken to advantage by those who have not had the latter course. (Phil. 1, 4, or 5, or Ped. 1.)

9. EIGHTEENTH AND NINETEENTH CENTURIES

The aim of this course is to suggest to the student a comprehensive and synthetic view of these two important centuries of our civilization. The period is discussed from the points of view of biology, philosophy and ethics, political science and government, economics, and English, French, and German literature. The course is given conjointly by the President and instructors from these several departments.

Open to all Seniors.

[10. PHILOSOPHY AND LITERATURE. C

A general statement of the relation between philosophy and literature as expressions of human thought. Investigation of the ethical and philosophical views of Goethe, Wordsworth, Tennyson, and Browning. In so far as possible the views of these poets will be related to the philosophical and scientific conceptions of the time in which they lived. A general knowledge of English literary history will be presupposed. To be given in 1915-16. (Phil. 4, 5, 7, or 8.)]

12. STUDIES IN THE PHILOSOPHY OF BERGSON. C

This course aims to give to the student a systematic introduction to the fundamental principles of the Bergsonian philosophy. *Creative Evolution* will be read and discussed in class; from time to time attention will be directed to *Matter and*

Memory and Time and Free Will. Acquaintance (at least elementary) with biological principles, while not prerequisite, will prove of value to the student electing this course. (Phil. 4, 7, or 8.)

14. ADVANCED PSYCHOLOGY: STUDIES IN ATTENTION. C

A detailed study of the most prominent characteristic of consciousness. Some of the problems dealt with are: the mental effects of attention, the conditions of attention, the methods of measuring attention, the physiology of attention, attention and memory, attention and interest, attention and the self. The pedagogical implications of the principles studied are emphasized from time to time. (Phil. 2, or Ped. 2 or 3.)

XVIII. PHYSICS

Professor BRYANT

1. GENERAL PHYSICS. A

Fundamental principles of kinematics; simple harmonic motion; inertia; gravitation; work and energy; elasticity; properties of liquids and gases; waves; sound; reflection, refraction, interference, diffraction, and polarization of light waves, and spectrum analysis.

2. GENERAL PHYSICS. A

Theory of heat; calorimetry; transference of heat; thermal expansion; change of state; nature of heat; the earth's magnetic field; magnetic induction; electrostatic induction, potential, and capacity; production of electric currents; electromotive force; electrical resistance; measurement of current; chemical, heating, and magnetic effects of the electric current. (Phys. 1.)

3. LIGHT. B

An advanced course for students who wish more knowledge of the subject than can be obtained from general physics. The laws of reflection and of refraction, with their application to optical instruments; the wave theory of light; the spectrum and its teachings; the phenomena of radiation, absorption, dispersion, interference, and diffraction are some of the topics considered. (Phys. 1-2 and Math. 3.)

4. ELECTRICITY AND MAGNETISM. B

An advanced course covering more thoroughly many of the topics studied in the corresponding work in general physics, together with some additional topics, such as the discharge of electricity through gases, electrons, radio-activity, and wire-less telegraphy. (Phys. 1-2.)

5. PHYSICAL MEASUREMENTS. C

Elementary theory and practice of physical manipulation. Laboratory work in the measurements of length, mass, time, velocity, linear and angular acceleration; the verification of the laws of equilibrium of forces; the determination of coefficients of elasticity; the density of solids, liquids, and gases; experiments in sound. A complete record of every experiment is required, giving the apparatus used, the measurements taken, and the results obtained. (Phys. 1-2.)

Laboratory fee, \$5.

6. PHYSICAL MEASUREMENTS. C

Measurements of thermal expansion, specific heat, latent heats of fusion and of evaporation. In electricity, fields of force, electric resistance, electro-motive forces, and strengths of current are measured. The laws of reflection and refraction of light waves, the formation of images by mirrors and lenses are studied, and indices of refraction and lengths of light waves are measured. (Phys. 5.)

Laboratory fee, \$5.

8. ASTRONOMY. B

The celestial sphere; astronomical instruments; determination of latitude, longitude, and time; the earth as an astronomical body; the moon's motions and physical characteristics; the sun's physical characteristics; revelations of the spectroscope; eclipses; planets; comets; stars and nebulae. (Phys. 1-2.)

XIX. POLITICAL SCIENCE

Assistant Professor ABBOTT

Assistant Professor WETHERELL

GOVERNMENT

1. ENGLISH GOVERNMENT. A

A description of the present working English government, together with sketches of its historical development. A good general knowledge of English history—as much as may be gained in History 1 and 2—is essential. This course furnishes a desirable introduction to American Government.

Assistant Professor WETHERELL.

2. AMERICAN GOVERNMENT. A

A rapid survey of the whole field, national, state, and local. Descriptive, with sketches of historical development. This course, together with 1, lays the basis for the more detailed and technical courses in the department. A good knowledge of American history is essential.

Assistant Professor WETHERELL.

3. ELEMENTS OF POLITICAL SCIENCE. B

The origin and development of government and states, their

forms, departments, and functions. (Hist. 1, 2, 3, or 4, or Polit. Sci. 1 or 2.)

Assistant Professor ABBOTT.

4. EUROPEAN GOVERNMENTS. B

Particular attention is given to the national governments of France, Germany, Italy, and Switzerland. (Hist. 1-2, or Polit. Sci. 1-2.)

Assistant Professor ABBOTT.

5. MUNICIPAL GOVERNMENT. B

The various forms, functions, and powers of city governments in the United States. (Polit. Sci. 2, or Hist. 2.)

Assistant Professor ABBOTT.

LAW

6. CONSTITUTIONAL LAW. C

A study of the principles and growth of the constitutional law of the United States. (Hist. 4, or Polit. Sci. 2.)

Assistant Professor ABBOTT.

7. BUSINESS LAW.

A brief survey of the rules of law most commonly involved in ordinary commercial transactions; especially contracts, sales, agency, bailments, and negotiable instruments. An elementary and practical course designed primarily for students who intend to engage in business or in professions other than the law.

Open to all Juniors and Seniors. Assistant Professor ABBOTT.

8. INTERNATIONAL LAW. C

The nature, sources, and development of the rules governing the relations of modern civilized states in war and peace,

Departments of Instruction

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with some consideration of recent modifications of the same, especially of the Hague Conferences of 1899 and 1907. (Polit. Sci. 1, 2, 3, 4, or 6.)

Assistant Professor ABBOTT.

9, 10. ELEMENTARY PRINCIPLES OF LAW. C

This course is especially valuable for students who expect to pursue the study of law, and for those who plan to take advanced work in Government or History. (Polit. Sci. 3 or 7.)

Assistant Professor ABBOTT.

THE SUMMER SESSION

THE FACULTY OF 1914

INSTRUCTORS

FROM MIDDLEBURY COLLEGE

JOHN MARTIN THOMAS, D.D., LL.D.

President

RAYMOND MCFARLAND, A.M.

Professor of Secondary Education. Director of the Summer Session

MYRON REED SANFORD, A.M., L.H.D.

Professor of Latin

G. WATTS CUNNINGHAM, PH.D.

Assistant Professor of Philosophy

FRANK WILLIAM CADY, A.M., B.LITT. (OXON.)

Assistant Professor of English

CHAUNCEY ALLAN LYFORD, B.S., A.M.

Assistant Professor of Geology

GEORGE HOFFMAN CRESSE, A.M.

Assistant Professor of Mathematics

PERLEY CONANT VOTER, A.M.

Assistant Professor of Chemistry

VERNON CHARLES HARRINGTON, L.H.D.

Assistant Professor of English

WILFRED EDWARD DAVISON, A.B.

Instructor in German

SUZANNE EVERETT THROOP, A.B.

Dean of Women. Assistant Professor of Fine Arts

INSTRUCTORS

FROM OTHER INSTITUTIONS

CHARLES EVERETT HESSELGRAVE, PH.D.

Pastor of Congregational Church, Chatham, N. J.

RAY WALDRON PETTENGILL, PH.D.

Instructor in German, Harvard University

ARCHIE SHERMAN HARRIMAN, A.B.

Principal of High School, Middlebury

ROBERT JAMES SPRAGUE, PH.D.

*Head of the Division of Humanities and Professor of Economics and Sociology
Mass. Agricultural College*

THEODORE FRELINGHUYSEN COLLIER, PH.D.

Associate Professor of European History, Brown University

JOHN CAMERON GRAY, A.M.

Superintendent of Schools, Chicopee, Mass.

H. PARKER WILLIAMSON DE VISME, A.M.

Director, Ecole du Chateau de Soisy, Soisy-sous-Etoilles, France

PAUL-LOUIS JEANRENAUD, B. ÈS L.

Co-Director, Ecole du Chateau de Soisy, Soisy-sous-Etoilles, France

DWIGHT AUGUSTUS WOODBURY, SC.M.

Graduate Department of Physics, Harvard University

GROVER CHESTER BOWMAN, A.M.

Superintendent of Schools, Westport, Ct.

ANNE MAY PIERCE

Director of Drawing and Manual Training, North Andover, Mass.

MINNIE HAYDEN

Teacher of Music, Steinert Hall, Boston

CARRIE R. HARMON

Supervisor of Drawing and Manual Training, Geneva, N. Y.

BEULAH C. HATCH, B.S.

Instructor in Household Economics, Simmons College

GENERAL STATEMENT

THE Summer Session is organized to meet the wants of experienced teachers and advanced students. Its aim is to afford opportunity for teachers to secure better academic and professional training, to allow college students to continue work for the bachelor's degree, and to encourage graduate students in their work toward a higher degree. To these ends students are grouped in three sections according to their purpose in pursuing courses and their qualifications for obtaining credits.

All courses are open to teachers and others who are qualified to take them, and entrance examinations are not required.

Students completing satisfactorily the course of six weeks will be given a Summer Session certificate indicating the work done. These certificates are often accepted by examiners in lieu of required examinations.

THE MASTER'S DEGREE

To obtain the degree either of Master of Arts or of Master of Science, thirty credits, representing one year's work in residence, are necessary. The rule as to securing the Master's degree through work in the Summer Sessions will be found in Graduate Work, Section 3.

COURSES OF INSTRUCTION, 1914

At the sixth Summer Session, held June 30 to August 7, 1914, the following courses of instruction were offered:

- | | |
|---|---------------------------------------|
| 1. Problems in Secondary Education | <i>Professor McFarland</i> |
| 2. Rural Life and Education | <i>Professor McFarland</i> |
| 3. Principles of Education | <i>Superintendent Bowman</i> |
| 4. Educational Psychology | <i>Superintendent Bowman</i> |
| 5. Method in Number | <i>Superintendent Gray</i> |
| 6. Method in Language | <i>Superintendent Gray</i> |
| 7. English Composition | <i>Assistant Professor Cady</i> |
| 8. Shakespeare | <i>Assistant Professor Cady</i> |
| 9. Tennyson | <i>Assistant Professor Harrington</i> |
| 10. Public Speaking | <i>Assistant Professor Harrington</i> |
| 11. The Drama in England | <i>Assistant Professor Throop</i> |
| 12. Le Romantisme | <i>M. Jeanrenaud</i> |
| 13. Le Mouvement poétique de 1880 jusqu'à nos jours | <i>M. Jeanrenaud</i> |
| 14. Rédactions, et Conférences d'Elèves | <i>M. Jeanrenaud</i> |
| 15. Le Théâtre de Molière | <i>M. Jeanrenaud</i> |
| 16. Teachers' Course | <i>M. Williamson de Visme</i> |
| 17. Emerson's Essay on Self-Reliance | <i>M. Williamson de Visme</i> |
| 18. Cours de Conversation et de Lecture | <i>M. Williamson de Visme</i> |
| 19. Beginners' German | <i>Mr. Davison</i> |
| 20. German Conversation | <i>Assistant Professor Pettengill</i> |
| 21. Heinrich Heine | <i>Assistant Professor Pettengill</i> |
| 22. Practical Phonetics | <i>Mr. Davison</i> |
| 23. The Teaching of Preparatory Latin | <i>Professor Sanford</i> |
| 24. Roman Architecture and its Influence | <i>Professor Sanford</i> |
| 25. England since 1603 | <i>Dr. Collier</i> |
| 26. The French Revolution and Napoleon | <i>Dr. Collier</i> |
| 27. History of the Ancient Orient | <i>Dr. Hesselgrave</i> |
| 28. Rural Sociology | <i>Professor Sprague</i> |
| 29. Problems in Religion | <i>Assistant Professor Cunningham</i> |
| 30. Life of Jesus according to the Gospel of Mark | <i>Dr. Hesselgrave</i> |
| 31. The New Testament in the Christian Church | <i>Dr. Hesselgrave</i> |

32. Solid Geometry	<i>Principal Harriman</i>
33. College Algebra	<i>Principal Harriman</i>
34. Logarithms and Plane Trigonometry	<i>Assistant Professor Cresse</i>
35. Plane Analytic Geometry	<i>Assistant Professor Cresse</i>
36. General Inorganic Chemistry	<i>Assistant Professor Voter</i>
37. Qualitative Analysis	<i>Assistant Professor Voter</i>
38. Practical Sanitary and Food Chemistry	<i>Assistant Professor Lyford</i>
39. Physiography and Meteorology	<i>Assistant Professor Lyford</i>
40. Problems in Special Research	<i>Assistant Professor Lyford</i>
41. Elementary Physics	<i>Mr. Woodbury</i>
42. Physical Measurements	<i>Mr. Woodbury</i>
43. The History of Painting	<i>Assistant Professor Throop</i>
44. Design and Representation	<i>Miss Harmon</i>
45. Metal Craft	<i>Miss Pierce</i>
46. Laboratory Course in Metal Craft	<i>Miss Pierce</i>
47. Food Study	<i>Miss Hatch</i>
48. Advanced Food Study	<i>Miss Hatch</i>
49. Elementary Voice Training	<i>Miss Hayden</i>
50. Advanced Voice Training	<i>Miss Hayden</i>

SUMMER SESSION OF 1915

THE next session will open on Tuesday, June 29, 1915, with registration and preliminary conferences on Monday and Tuesday. Class-room exercises will begin on Wednesday morning.

The classes will meet five times a week for six weeks, unless otherwise stated. The College laboratories, libraries, halls of residence, and dining-hall will be opened, with increased facilities. The February number of the Middlebury College Bulletin will be a prospectus of the Summer Session of 1915. Send applications for this number to The Director, Summer Session, Middlebury, Vt.

GENERAL INFORMATION

MIDDLEBURY College was chartered in 1800, and its first class was graduated in 1802, at which time the first academic degrees conferred in Vermont were bestowed. Even before the granting of a charter, collegiate work had been prosecuted in Middlebury, under the leadership of Rev. Jeremiah Atwater, Yale, 1793, the Principal of the Addison County Grammar School, who became the President of the College, having been recommended for the position by Doctor Dwight, then President of Yale College. A library of 494 volumes had already been carefully selected and presented to the College. For ten years all the work of the institution was conducted in a large frame building which it shared with the Addison County Grammar School, but in 1810 Colonel Seth Storrs of Middlebury gave to the Corporation thirty acres of land, "beautifully situated in an elevated part of the village," which now forms part of the college campus. On this site the first building of the College was completed in 1815. It was called at first "West College," but in 1846 was named Painter Hall, in honor of Hon. Gamaliel Painter, one of the most generous patrons of the College and most useful citizens of the town, who had bequeathed all his property to the institution. It has been in continuous use since its erection, and is the oldest college building in Vermont. The commodious and beautiful Chapel was erected in 1836, and is still the most commanding object on the campus and in the landscape of the village, and a useful and convenient administration and recitation building. Starr Hall, a large dor-

HISTORY OF
THE COLLEGE

mitory, was erected by the beneficence of Charles and Egbert Starr in 1861, and rebuilt in 1865, after a disastrous fire, by the same donors. These three graceful stone buildings, forming a college row typical of New England, give dignity and quiet beauty to one of the most beautiful college parks to be found in America.

The builders of Middlebury were men of deep religious faith and earnest moral purpose, and clergymen from the surrounding towns long exercised controlling influence in the Corporation. The College has had a long and heroic struggle with poverty, but her doors have never been closed and she has furnished uninterruptedly to the youth of northern New England opportunities for thorough literary education and a vantage point of outlook upon the larger life of the world.

During her first century Middlebury sent out 1,686 graduates; 543 of these were clergymen, including 71 missionaries. An exceptionally large proportion became teachers, of whom 106 were professors in colleges or theological seminaries; 32 college presidents were sent forth by Middlebury from 1800 to 1900. She graduated in that time 400 lawyers, including over 50 judges of courts. Fifteen of her alumni have been members of Congress, and nine, governors of States or Territories. It is Middlebury's boast that, in proportion to her size and the means at her command, no American college has made a nobler record.

A residential town of 2,000 people, on the Rutland Railroad, New York Central Lines, with through trains between New York and Boston and Montreal, Middlebury is an ideal location for a rural New Eng-

land college. The foot-hills of the Green Mountains are a few miles distant. From the heights of the college campus one sees many of the grander peaks of the Adirondacks. The Otter River flows through the town, and in its valley are many of the best farms of Vermont. Elms and maples line the village streets, and the houses betoken modest thrift and quiet taste. Water of unexcelled purity and quantity is brought from mountain springs, eight miles distant. Intoxicating liquors are not sold, and there are no trolley lines to neighboring cities. The College is the pride of the village, and many of the homes of the people are open to the students.

THE VILLAGE OF
MIDDLEBURY

The specialty of Middlebury is not a department of study, but a type of student. The location of the College in a frugal agricultural region favors economy. For over a century she has sought out particularly the youth from the quiet homes of northern New England and surrounded them with encouragement to modest living while engaged in the pursuit of knowledge. By resolute endeavor college expenses have been kept low. Students who have to work their own way are especially encouraged, in the belief that such students furnish the most healthful tone to an institution of learning. Those who can afford more than Middlebury exacts are invited to consider the advantages to character which come from such an atmosphere in the formative period of life.

MIDDLEBURY'S
SPECIALTY

The Middlebury idea is that, since no two men are alike, each student needs the particular care and over-

sight of his instructors during his entire college course.

INDIVIDUAL
TRAINING

With a small student body and an ample number of professors such oversight is possible, and the unusual success of Middlebury's graduates is believed to be due to its maintenance.

Without departure from the traditions of the New

RECENT
PROGRESS

England small college, additions to the buildings, equipment, courses, and instructing staff have been made in the few years past, which add materially to the advantages offered to students. In the fall of 1913 a new hall of chemistry, elsewhere described, was opened. The McCullough Gymnasium was completed in 1912. A central heating plant was installed in 1912, and the buildings on the campus are now warmed by steam conveyed through underground conduits. During the summer of 1914 the heating system was extended to the buildings of the Women's College.

In February, 1912, the College received a gift of eighty acres of land for a new athletic field. This land extends from the Cornwall road to South Street, and is convenient to the campus. A field for baseball and football was opened for use in 1914. It is known as the Porter Athletic Field. The donor has provided funds for the erection in the spring of 1915 of a grand stand and locker and dressing rooms.

The College has been endorsed by the General Education Board, which contributed \$50,000 toward a fund of \$200,000. Of this fund, \$100,000 has been reserved for endowment. During the past six years over \$600,000 has been added to the funds of the College for endowment and buildings.

It will be noted that the instructing staff now numbers thirty-one, more than double the number of six years ago. There has been a gain in student attendance every year for eleven years, and in six years the number has doubled. Attention is called to recent additions to the curriculum in subjects fundamental to engineering, physical education, and home economics.

On May 15, 1914, ex-Governor John A. Mead, of the Class of 1864, signified his desire to erect a chapel for the College. His letter of gift said: "I have in mind a dignified and substantial structure in harmony with the other buildings of the College, and expressive of the simplicity and strength of character for which the inhabitants of this valley and the State of Vermont have always been distinguished."

THE MEAD
MEMORIAL
CHAPEL

The cost suggested was from \$50,000 to \$60,000. Pursuant to this generous offer the trustees have secured plans for a beautiful chapel, colonial in architecture, in consonance with all other buildings of the College, and it is expected that the chapel will be erected in the summer of 1915.

GRADUATE WORK

THE degrees of Master of Arts and of Master of Science may be attained by graduate work completed during the regular college year, or at summer sessions, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from this College, or from one having an equivalent curriculum.

2. Candidates should register during the first week of either semester, or during the first week of the Summer Session. A renewal of all existing registrations must be made at the beginning of each college year.

3. To obtain the degree of Master of Arts or of Master of Science, one year of resident work (September to June), or at least four summer sessions, is necessary.

4. Candidates for either degree, after conference with the instructor or instructors interested, shall outline the work intended and the studies desired, and present such outline to the Committee on Graduate Instruction for its approval.

5. The major work of the candidate must be undertaken in some department in which there have been completed undergraduate courses of study of such advanced grade as to satisfy the department of his fitness to enter upon graduate work.

6. One half of the work (fifteen semester hours) must consist of specially assigned graduate studies and investigation prescribed by the department in which the major work is undertaken; the remaining half may be pursued in undergraduate courses of C grade recommended by the department in which the major work is taken, and approved by the Committee on Graduate Work. A minimum grade of 80 per cent shall be maintained in all of the courses counting toward the degree.

7. Graduates of Middlebury College who have to their credit work done in undergraduate years, and not counted toward a baccalaureate degree, may count fifteen such credits toward an advanced degree, subject, however, to the provision made for undergraduate courses in Section 6.

8. No credits counted in conferring a first degree at Middlebury College, or elsewhere, shall be accepted for a second degree.

9. The work must be completed within five years after the first registration unless this period is extended by vote of the Faculty.

10. Besides the regular examinations, the candidate must be examined in the subject chosen for the major study, and at the discretion of the instructor under whose direction this work is done, may be required to present a thesis.

11. The degree shall not be given *in absentia*, nor shall it be bestowed before the Commencement following graduation.

12. The regular tuition fees for undergraduate work are charged. An additional fee of \$15 is required for the final examination and diploma.

EXAMINATIONS

1. The semester grade in any study shall be obtained by combining the recitation mark with the examination mark in the ratio of three to one.

2. A student whose term mark in any course falls below 50 per cent shall be excluded from the examination and shall, if the course is a required one, repeat it with the following class.

3. A student shall be conditioned whose combined recitation and examination mark at the close of a semester or of a study is below 60 per cent, unless the examination mark be as high as 70 per cent; but no student shall be allowed to pass whose examination mark is below 50 per cent.

4. In order that a condition may be removed, either the average of the term mark and the new examination mark combined according to Section 1 must reach 60 per cent, or the new examination mark must be as high as 70 per cent.

5. A student who fails to attain a passing grade in three or more courses in any semester shall be summoned before the Administration Committee to

show cause why he should not be dropped from College.

6. A student who fails to pass an examination at the close of the first semester, and is thereby conditioned, will be given an opportunity to take another examination either on the first day after the Easter recess, or on such one of the first three days of the college year as shall be determined by the Registrar. A student who is conditioned at the close of the second semester may take an examination on such one of the first three days of the college year as shall be determined by the Registrar, or on the first day after the Christmas recess. No other opportunities for the removal of conditions will be given, except in the following cases:

(a) A student unavoidably absent from College at the time set by the Registrar for taking the examination will be given his opportunity immediately upon his return to College.

(b) A Senior may take an examination for each deficiency, or condition, on the Saturday preceding Commencement.

(c) If the course in which a student has been conditioned is given in the Summer Session, he may remove the condition by taking that course and passing at its close an examination which will be based upon the regular college course and, if possible, be set by the instructor who imposed the condition.

7. Any student failing to make up a condition as provided for above must repeat the course with the following class if the subject is a required one, even though, from conflict of hours, or any other cause, it necessitates for him the temporary omission of some of the regular work of his class.

8. A student conditioned in a required subject, or allowed to postpone a required subject, must obtain

credit in it at the earliest opportunity presented, even though the subject should in the meantime have become an elective.

9. No student with an unremoved entrance condition will be advanced beyond Freshman rank. A student with no unremoved entrance condition and with 24 points to his credit at the beginning of a college year will be ranked as a Sophomore for that year; one with 54 points, a Junior; one with 84 points, a Senior. A student who is ranked as a Junior, but who, at the beginning of the second semester, has 99 points to his credit, will be granted Senior privileges if his purpose is to secure a degree at the next Commencement.

10. A student who is excusably absent from examination at the close of a semester will be required to pass that examination at or before the beginning of the corresponding semester of the following year. If the student fails to meet this requirement, he must repeat the course with the following class if the subject is a required one.

11. Students in the first semester of the Freshman year are limited to five courses. To take six courses in any subsequent semester, a student must have attained an average of 75 per cent in the courses of the previous semester, a condition or an exclusion through either Attendance Rule 9 or Examinations Rule 2 being counted as 50 per cent; to take seven courses, he must have obtained an average of 80 per cent.

12. Credits for more than three courses will not be given an undergraduate at a Summer Session.

13. Students obliged to absent themselves from College for a determined period of time may obtain from the Dean the privilege of appearing for examination

in subjects previously specified. The length and character of such examinations are determined by the instructor, and a grade of 75 per cent is required. Resident students will not be given credit for work done outside of class.

14. Any scholarship may be forfeited at any time during the course through negligence or misconduct. When a student incurs more than one condition in any semester, or when he receives a second warning because of unexcused delinquencies, the scholarship allowance for that semester is thereby forfeited.

RECORD OF SCHOLARSHIP

At the close of a study, any student who desires it may receive from the Registrar a general statement of his rank in that study, based upon his term work and examination. If he has attained 90 per cent or above, his rank is reported as A, or excellent; if between 80 and 90 per cent, as B, or good; if between 70 and 80 per cent, as C, or fair; if between 60 and 70 per cent, as D; if below 60 per cent, the student is conditioned in that study. These reports are also given to parents by the Registrar upon request.

HONORARY APPOINTMENTS

THE Faculty, under the direction of the Corporation, give to the first third of each department of each class, on the basis of scholarship, honorary appointments for Commencement. The valedictory and salutatory appointments are of equal rank, the former

being given to the leader among the men and the latter to the leader among the women.

PHI BETA KAPPA

THE Middlebury Chapter of the Phi Beta Kappa Society is the Beta of Vermont. By a recent vote of the chapter those of the first one-fifth of each graduating class who have attained an average rank, for the entire course, of $87\frac{1}{2}$ per cent will be eligible for election to membership.

SPECIAL HONORS

As an incentive to best work by such students as have the ability to do more than should be required of the majority, and to promote and encourage special investigation in the various departments of the curriculum, the Faculty have established a system of honors. These are divided into two classes, Honors and High Honors, and are subject to the following regulations:

1. The candidate must have completed major work in the department in which Honors are sought.
2. Enough more than fifteen hours a week must have been carried in the undergraduate courses to insure to the candidate at graduation a surplus of at least six credits above the one hundred and twenty credits required for the Bachelor's degree.
3. The requirement of the six extra credits may be met by the fulfilment of work in research or special investigation assigned by the department in which Honors are sought; or by the completion of two C courses in that department, provided

that they are of that grade which would be counted for the Master's degree.

4. The attainment of 80 per cent for Honors, or 90 per cent for High Honors, is requisite as an average rank in the courses which have been taken in completing the major work of the department, and also in the special work performed in the attainment of the six extra credits.

5. On the completion of the six extra credits, whether attained in independent investigation or in class-room work, an examination shall be given covering as much of the work of the department which the candidate has taken as shall be deemed necessary, and, at the discretion of the instructor, a thesis may be assigned.

6. If the additional six credits for an Honor be pursued in class-room courses, these courses must be taken in accordance with the rules regarding extra hours.

7. Credits for Honors may be counted later toward the Master's degree.

These honors will be printed on the Commencement programme and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the President and the professor of the department, stating the nature and quality of the extra work done.

The degrees of A.B. and B.S. are conferred *cum laude* upon those who have attained an average rank, for the entire course, of 85 to 90 per cent; *magna cum laude* if that rank is 90 to 95 per cent; *summa cum laude* if it is 95 per cent or above.

PRIZES

THE PARKER PRIZES. Established by gift of Daniel Parker, Esq., in 1807, and Professor Frederick Hall in 1820. Two prizes of \$20 and \$10 to two of the competitors in the Freshman class who are adjudged the best speakers at a contest on Monday evening of Commencement Week.

THE MERRILL PRIZES. Established in 1882 by bequest of Rev. Thomas Abbot Merrill, D.D., Trustee, 1806-55. Four awards, \$25, \$20, \$15, and \$10, to the four men of the Sophomore class adjudged the best speakers at the same contest.

THE DEACON BOARDMAN PEACE PRIZE. Established in memory of Samuel Ward Boardman (1789-1870). An annual prize of \$30 to the member of the Junior class submitting the best essay in favor of peace, and in opposition to war as a method for settling international differences. The essay must be creditable as a literary composition and consist of at least 2000 words.

THE PEDAGOGY PRIZES. Two prizes of \$40 and \$20 for the students of the Department of Pedagogy submitting the best essays on educational topics.

In the Latin Department, recognition is made of excellence in the work of the second semester of the Sophomore year, including the preparation of a notebook exhibiting the debt of English poetry to Horace, by a first prize of \$10, and second and third prizes of photographs of classic art.

THE EGBERT STARR LIBRARY

THE Library of Middlebury College is older than the institution itself. Before the granting of the charter the benevolent and progressive citizens of the town had collected some 500 well-chosen volumes for the use of students. Volumes bearing the autographs of some of the founders are still on the library shelves. In the early history of the College two flourishing student organizations, the Philomathesian and Philadelphian Societies, founded libraries which were unusually extensive and valuable for the time, and many of their volumes are still among the treasures of the College. Great improvement in the Library was made during the administration of President Cyrus Hamlin (1880-85), who removed the books from the Chapel to the north division of Painter Hall, and opened all the shelves to the students.

The beautiful and convenient marble Library now occupied was erected with funds bequeathed by Mr. Egbert Starr, and dedicated during the centennial exercises of the College in July, 1900. The cost of the building was \$50,000, to which was added \$5000 for its decoration and \$5000 for the purchase of books by the son of the donor, Dr. M. Allen Starr. The front of the building is entirely devoted to a large and convenient reference library, and the capacity of the stacks is 90,000 volumes. The entire Library, which is a depository of government publications, now contains about 45,000 volumes. The number of volumes added the past year was 947, exclusive of government documents. Students are granted free access to all the shelves. The building is open continuously through

the working hours of the day, as well as two evenings a week and Sunday afternoon. The reference rooms contain a large number of reviews and magazines, and reading rooms with daily and weekly papers are maintained in Painter and Pearsons Halls. A reference library on education is provided in the rooms of the Department of Pedagogy.

The Library staff has recently been increased. The appropriation for Library purposes is now \$4500 a year, and several gifts of money for additions to the Library have been received, as well as a number of volumes by donation. A few students from the upper classes are given employment in the Library in part payment of their tuition.

The College is desirous of possessing as complete a collection as possible of the publications of Middlebury graduates, and alumni who are authors of either books or pamphlets are requested to coöperate in bringing this about by presenting the Library with copies of their works.

THE WARNER SCIENCE HALL

THE studies in the Departments of Physics, Biology, Geology, and Home Economics are pursued in the large and convenient Warner Science Hall, erected in 1901 through benefactions of the late Ezra J. Warner, of the Class of 1861. The building is a memorial of his father, Hon. Joseph Warner, formerly a resident of Middlebury, and a trustee of the College from 1850 to 1865. By the will of Mr. Warner the College has received a bequest of \$25,000 for the care and maintenance of the Hall, and for the purchase

of supplies for the departments which it accommodates.

The Department of Physics is located on the first floor, and comprises a main laboratory for student use with sufficient apparatus for two full years of study and investigation in Physical Science, a private laboratory for the instructor, and a physical lecture room.

In the summer of 1913 the Department of Chemistry was moved to a new building, and the second and third floors of Warner Hall were divided among the departments of Biology, Geology, and Drawing and Surveying.

A pleasant and convenient laboratory of Home Economics has been fitted up and equipped.

Advanced study and independent research are encouraged in each of the natural and physical sciences, and in the modern and well-furnished laboratories of this building abundant opportunities are afforded to the student.

THE HALL OF CHEMISTRY

IN September, 1913, the Department of Chemistry was established in the new laboratory building erected with a portion of the General Education Board fund of \$200,000.

This building is 44 by 100 feet, three stories, and the basement is lighted with full-sized windows, so that for all practical purposes it constitutes another story. The material is Vermont marble, laid in random ashlar, with rubbed white marble trimmings.

In the basement are the combustion and assay

rooms, the organic laboratory, the laboratory for water and milk analysis, the fan room for the extensive flue and ventilation system, a balance room, two dark rooms for photography, and four store rooms.

The first floor is used at present for the Departments of French and Mathematics, and for a portion of the work in English.

The second floor provides two large laboratories for qualitative and quantitative work, a private laboratory for research work, a large library and conference room, a hydro-sulphide room connecting with the qualitative laboratory, two balance rooms, and a store room.

On the upper floor are the general chemical laboratory, which is fitted with fifty-six desks and ample hood room, a large lecture room with raised seats and a lecture table with hoods, a store room, a balance room, and the private laboratory and office of the head of the department.

The building is completely equipped with water, air, and gas pipes, and with electricity for light and power. The interior finish is white unglazed brick. The building is perfectly lighted by a hundred spacious windows, and is attractively located on the college quadrangle, facing the McCullough Gymnasium.

THE MUSEUM OF NATURAL HISTORY

AMONG the professors of the College for many years have been men of marked ability in natural science, who have shared with the institution the fruits of their researches. One of the earliest geological surveys of Vermont was conducted by Professor Charles B.

Adams, who then occupied the chair of Natural History. He laid the foundation for the large collection of fossils representing the different geological formations. The work of Professor Henry M. Seely, long connected with the College, is in evidence in the large collection of fossils of the Champlain Valley.

In Botany, the complete series of the flowering plants and ferns of the Champlain region, which was collected by President Brainerd, is especially notable. This herbarium is constantly increasing, and valuable additions have been made in recent years in the higher fungi and other cryptogamous plants gathered by Dr. Edward A. Burt.

The Zoölogical Museum has recently received accessions from the Smithsonian Institution and from Hon. A. Barton Hepburn, of the Class of 1871.

THE McCULLOUGH GYMNASIUM

IN 1910 Hon. John G. McCullough of Bennington offered to give \$25,000 toward the erection of a gymnasium, and the alumni of the College completed a gymnasium fund of \$50,000 at Commencement of that year. The building was dedicated at the Commencement of 1912. The material is light marble, and the style colonial, like the other buildings of the College. The dimensions are 110 by 57 feet. The main floor contains a large exercising room and basket-ball court, with a room for smaller gymnastic classes, which also serves as a stage for dramatic representation. The first floor contains a locker room, with space for 375 lockers, abundant shower baths, director's office and examination room, faculty locker room, two handball

courts, boxing and fencing room, and quarters for visiting athletic teams. A convenient serving room renders the building available for college banquets.

Courses in physical education are offered to all students and are required of Freshmen and Sophomores. This work is under the direction of Mr. Ray L. Fisher, who is also in charge of all college athletics.

THE PORTER ATHLETIC FIELD

THE College recently acquired a new athletic field, purchased and equipped at a cost of \$10,000, the gift of a friend. The field is east and south of the Library, lands extending from the Cornwall road to South Street, owned recently by Professor Howard, the Linsley estate, and Mr. J. Edwy Buttolph, but known to older graduates as part of the Porter farm. It is about eighty acres in extent, beautifully situated, rolling meadow and pasture, with never-failing springs and a grove of large pines, and commands an extensive view of the Green Mountains. A quarter-mile cinder track has been built, and also a field for baseball and football. A residence street, extending from Main Street to South Street, has been constructed. The athletic field is known as Porter Field.

A grand stand, with locker and dressing rooms and shower baths, is to be erected in the spring of 1915.

COLLEGE OFFICES

THE office of the President is located on the third floor of the Chapel. The President may be seen from 10

to 11 A.M. every day except Sunday, and consultation by students on any subject of importance to them is cordially invited. When the President is out of town the Dean is in charge of the College. A catalogue of all graduates, former students, and friends of the College is kept in the office, and prompt notification of change of address is requested. The President's home is the large dwelling built for the purpose by President Kitchel and purchased for the College with funds contributed by Hon. Joseph Battell, of the Class of 1823.

The Dean's office is in Painter Hall, middle division. Men desiring to be out of town while College is in session should first secure permission there. Excuses for absence are also presented at that office.

The Dean of Women has her office on the fourth floor of the Chapel, where women may offer reasons for absence.

The office of the Registrar is in Painter Hall, middle division. All students are expected to register at the beginning of each semester. The Registrar's office will be open for this purpose on and after the Monday before the beginning of the college year.

The Treasurer of the College has his office in the National Bank of Middlebury, and may be seen during banking hours. At the opening of the college year, and again at the beginning of the second semester, the Treasurer will establish a temporary office in Warner Science Hall, for the convenience of students in the payment of bills.

RELIGIOUS SERVICES

THE exercises of each day, except Sunday, begin with religious services, which all students must attend. They are also required to attend public worship on Sunday morning, at such churches as are decided upon by the students or their parents.

Student religious services and Bible classes are held under the auspices of the Middlebury Union and the Young Women's Christian Association.

The College is non-sectarian, having never had any official connection with any church, but seeks to promote a healthful religious influence.

HALLS OF RESIDENCE FOR MEN

PAINTER HALL was completed in 1815. It is the oldest college building in Vermont, and one of the best examples of colonial architecture in New England. It was first known as West College, but since 1846 has borne the name of Gamaliel Painter, one of the founders of the College, and a generous benefactor.

Starr Hall was built in 1861, and was rebuilt, after a disastrous fire, in 1865. The funds for its erection were contributed by Charles and Egbert Starr. It has thirty-two suites, designed for two students each, consisting of study, bedroom large enough for two single beds, and closets.

Both halls are of gray limestone, and are substantial and comfortable buildings. A few years ago they were remodeled and furnished with bathrooms, water-closets, steam heat, and electric light. The charges for rooms in both dormitories are the same, and are ex-

ceedingly moderate: \$40 a year per student when two occupy a room, and \$80 when a room is occupied singly, including light and heat in each case. The rooms in both halls are furnished with single iron beds; other furniture must be provided by the student, and may be purchased in Middlebury. Students should bring bedding.

In assigning rooms, preference is given to students in College in order of classes. A drawing for rooms for 1915-16 will be held June 5, 1915. Students now occupying rooms, and desiring to retain the same, may do so by depositing \$5 advance payment on room-rent with the Treasurer before June 5. Others desiring rooms for next year, including incoming students, may secure reservations by making the \$5 advance deposit. Rooms not taken June 5 will be assigned to students applying later in order of application, irrespective of classes.

The halls will be ready for occupation by the students on the noon of the Saturday that precedes the opening of College after any vacation period; they will be closed for all vacation periods on the noon of the first Saturday after the period begins.

HALLS OF RESIDENCE FOR WOMEN

PEARSONS HALL, a new building for women, was opened at the beginning of the college year in 1911. It is located on a commanding height overlooking the village, from which wide views of the Adirondacks and Green Mountains are obtained. The hall is of marble, of pleasing colonial design, and contains a large

social hall, a gymnasium, and dressing and bathing rooms, besides both single and double living rooms.

Battell Cottage was enlarged in 1910, the addition furnishing the dining hall and kitchen for both the Cottage and Pearsons Hall. The two buildings together accommodate about one hundred women.

A new home for women, accommodating seventeen, was constructed in the summer of 1913. It is located on the campus of the Women's College, and is known as Hillside Cottage.

The price of board and room in each building is \$200 a year, payable semi-annually in advance to the Treasurer of the College. Applications for rooms may be made to the Assistant Dean, Middlebury College.

HAMLIN COMMONS

TABLE BOARD is furnished to men at Hamlin Commons. The College owns the building, which is located just outside the campus, and gives the use of it to the students without cost. The food is plain but abundant, and the cost is \$3.50 a week. Payment is required each week, strictly in advance.

EXPENSES

THE location of the College in a small village in a frugal agricultural region favors economy, and by a resolute endeavor the expenses of students have been kept extremely moderate. The charges of the College are small, and the general expenses of students should not be large. The following table indicates the principal items:

Tuition	\$100.00
Room rent in Starr or Painter Hall, including heat and light	40.00
Table board for 37 weeks, at \$3.50 a week	129.50
Graduation Fee (Seniors only)	11.00

By action of the Trustees the fee for incidentals (\$12) formerly charged has been abolished.

In most of the elective courses in Chemistry, Biology, and Physics, a laboratory fee of \$5 for each semester is charged, as specified in the announcements of the several courses.

The charges for room rent, heat, and light in Starr and Painter Halls are on the supposition that two students occupy a room. When a student rooms alone, the charge for rent, including heat and light, is \$80 per year.

Board and room for women in Pearsons Hall, Battell Cottage, and Hillside Cottage are \$200 a year, payable semi-annually in advance.

The payment of bills is required at the opening of each semester, before the student enters upon college work. This rule includes the charge for board at the halls for women. On registration, a certificate of payment from the Treasurer's office is required.

The charge for tuition is the same for men and women. From \$350 to \$400 should suffice for all expenditures, and by strict economy many students maintain themselves for less. Attention is called to the sections on Self-Help and Scholarships.

SELF-HELP

FOR many years Middlebury has been known as a college at which exceptional opportunities are afforded to students who must depend largely upon their own resources in securing an education. The principal assistance a college can render in this respect is in keeping expenses down, especially the charges for room and board. Employment by which the student may earn a part of his expenses can usually be obtained about the College or in the village, although regular work cannot be promised before the student has arrived and his capacity and fitness are determined. Occupations in which students find employment are waiting on table, care of furnaces, farm and garden work, typewriting, tutoring, etc. The Assistant Dean conducts an employment bureau for men, and applications for work should be made to him.

SCHOLARSHIPS

THE College has a generous number of student benefits, many of them given in early years at great self-sacrifice on the part of the donors. The income of these funds is expended exclusively in payment of the tuition, in part, of needy and deserving students of good deportment and application. When the number of students was much smaller, these funds allowed a somewhat more liberal bestowment of beneficiary aid than is now possible. It is not expected that those whose circumstances admit the full payment of college bills will apply for scholarship assistance. It is earnestly desired, however, that, where need requires, those who

might not otherwise be able to receive a college education will apply for aid from this source. The College has a long record of special encouragement to those who are obliged to secure an education largely through their own efforts. Correspondence concerning scholarships should be directed to the President, who will furnish blanks for application.

Any scholarship may be forfeited at any time during the course through negligence or misconduct. When a student incurs more than one condition in any semester, or when he receives a second warning because of unexcused delinquencies, the scholarship allowance for that semester is thereby forfeited.

Among the student benefits dispensed by the College are the following:

THE WALDO FUND, \$10,000, established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston.

THE BALDWIN FUND, \$28,121, received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N. J.

THE WARREN FUND, \$3000, given in 1835 by bequest of Deacon Isaac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel Ministry.

THE FAIRBANKS SCHOLARSHIPS, \$2000, established by Thaddeus Fairbanks, Esq., of St. Johnsbury.

THE LEVI PARSONS SCHOLARSHIPS, established by Hon. Levi Parsons Morton of New York City.

THE DANIEL O. MORTON SCHOLARSHIP, established by Hon. Levi Parsons Morton of New York City.

THE PENFIELD SCHOLARSHIP, \$1000, established by Allen Penfield, Esq., of Burlington.

THE EMMA WILLARD SCHOLARSHIP, \$2000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women.

THE CHARLES A. FIELD SCHOLARSHIP, \$300, given to the village of Proctor, Vermont, "as a memorial of regard for Fletcher Dutton Proctor and of gratitude to him, and for courtesies received at the hands of other residents of said village."

THE A. P. STAFFORD FUND, \$1000, established "to assist needy students from Wallingford to an education."

THE WINDHAM COUNTY CONGREGATIONAL CONFERENCE SCHOLARSHIP, \$600.

STATE SCHOLARSHIPS

AN annual appropriation from the State of Vermont pays to the amount of \$80 annually "the tuition and incidental college charges of thirty students, one of whom shall be designated and appointed by each Senator in the General Assembly, such appointment to be made by such Senator from his respective county, provided any suitable candidate shall apply therefor, otherwise from any county in the State."

By act of the Legislature of 1912, thirty additional State scholarships of the value of \$80 each were granted for the years 1912-14. These scholarships are also in the control of the State Senators.

Any person prepared to enter College, desiring to

take advantage of a State scholarship, should apply to one of the Senators of the county in which he resides, and the Senator may thereupon give him a certificate of appointment for a period of two years. Should the Senators in the applicant's county already have made appointments, the student should immediately apply to the President of the College, as there may be a vacancy from some other county of which the applicant may avail himself.

Under this act, students of both sexes are eligible for appointment to a State scholarship. The same regulations as to forfeiture through misconduct and incurring conditions apply to State scholarships as to student benefits owned by the College.

THE ASSOCIATED ALUMNI

THE officers and committees of the Associated Alumni of the College for 1914-15 are: *President*, P. M. Meldon, '80; *Vice-Presidents*, L. H. Ross, '90, S. B. Botsford, '00, E. C. Hadley, '10; *Secretary and Treasurer*, E. J. Wiley, '13, Middlebury; *Central Committee*, J. A. Peck, '98, A. D. Wetherell, '05, H. L. Cushman, '07; *Necrological Committee*, T. E. Boyce, '76, S. S. Eddy, '94, P. E. Mellen, '04.

ALUMNI ASSOCIATIONS

THE officers of the New York Association are: *President*, Edgar R. Brown, '93; *Secretary*, Edwin S. S. Sunderland, '11, 15 Broad St., New York; *Executive Committee*, Percival Wilds, '02, Sanford H. Lane, '05, Percy L. Roberts, '05.

The officers of the Boston Association are: *President*, Charles M. Prynne, '76; *Vice-President*, Charles N. McCuen, ex-'99; *Secretary*, Miss Annie I. Gerry, ex-'08, 18 West Cedar Street, Boston; *Treasurer*, Walter H. Cleary, '11; *Executive Committee*, Burt M. Bristol, ex-'98, Miss Rena I. Bisbee, '00, George H. Remele, '72.

The officers of the Vermont Association are: *President*, Bert L. Stafford, '01; *Vice-President*, Homer L. Skeels, '98; *Secretary and Treasurer*, Edgar J. Wiley, '13, Middlebury.

The officers of the Alumnae Association are: *President*, Mrs. Lena Roseman Denio, '96; *Secretary and Treasurer*, Miss Gwendoline T. Hughes, '07, Fair Haven, Vt.; *Executive Committee*, Mrs. Anna Hazen Brigham, '03, Miss Marguerite A. Ellison, '12.

NEEDS OF THE COLLEGE

THE recent gifts to the College, including the General Education Board Fund of \$200,000 and the Pearsons Fund of \$100,000, have placed the institution upon a substantial foundation. The buildings and grounds are valued at \$429,974, and the endowment funds, including scholarships, have reached \$588,137. But the resources are inadequate for the work the College is doing to-day, and for needed advance and improvement in many departments. The College must rely chiefly upon private benefactions, and its services to the nation in the past one hundred and fifteen years justify an appeal for additional gifts.

Among the urgent needs of the College are the following:

Middlebury College

1. *General Endowment Funds.*
2. *The Endowment of Professorships.*
3. *A Dormitory for Men.*
4. *A Commons and Social Hall.*
5. *Endowment of the Women's College.*

FORMS FOR BEQUESTS

THE corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of _____ dollars, to be used by the Trustees of said College for such purposes and in such manner as they shall deem appropriate.

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of _____ dollars, to be invested by the Trustees of said College, and the income thereof to be applied to the payment of the salaries of teachers in Middlebury College as the Trustees may deem expedient.

DEGREES CONFERRED IN 1914

HONORARY DEGREES

DOCTOR OF DIVINITY

Guy Caleb Lamson, '96

DOCTOR OF LAWS

James Loren Martin

George Harvey

DOCTOR OF LETTERS

Katherine Lee Bates

DOCTOR OF SCIENCE

Ezra Brainerd, '64

DEGREES IN COURSE

WITH COMMENCEMENT APPOINTMENTS

MASTER OF ARTS

Leonard T. Cole, Ill. Wesleyan, '97	M. Louise Chaffee, '09
Edith S. Atwood, '10	Theodora W. Crane, Wells, '08

MASTER OF SCIENCE

Margaret Farnsworth Sheldon, '11

BACHELOR OF ARTS

Charles Martyn Prynne (as of the Class of 1876)
Richard Sargent O'Connell (as of the Class of 1912)
Dora Mabel Willson (as of the Class of 1913)

NOTE. The name of Hobart Bennett Potter, Jr., of the Class of 1913, was omitted by mistake from the list of those given in the Catalogue of 1913-14 as receiving the degree of Bachelor of Arts.

Middlebury College

BACHELOR OF ARTS

Class of 1914

David Holbrook Brown	Richard Stewart Esten*
Robert Edgar Bundy	Robert Henry Hill
Howe Kendrick Cassavant*†¶	William Gleason Macfarlane
Laurance Webster Cluff	Walter Irving Metcalf*
John Charles Eliot Voss*†¶¶	George Herbert Seavey*
Florence Mary Aseltine†	Mae Eleanor Guerin
Ellen Mary Bailey*†¶	Helen Irene Haugh
Harriet Beecher Blakeman	Charlotte Florence Jenne
Helena Belle Carpenter*†¶	Gertrude Frances Kingsley ^{3,4}
Elizabeth Chalmers	Ethel Caroline Magoon
Sophia Noela DuBois	Ruth Adelle Noyes*†¶
Alice Maria Easton ⁶	Florine Margaret Parker*†§ ^{2¶}
Amy Harriet Edmands ¹	Annie Estelle Perkins
Isabelle Upton Esten*† ^{5¶}	Mary Agnes Shea
Stella Agnes Farrell*† ^{3¶}	Verena Italy Suter*†¶
Mary Madeline Geran	Gladys Wilson
Jessie Martha Graves*†¶	Julia Bosworth Wood

BACHELOR OF SCIENCE

Class of 1914

Harald Wallace Abbott*†¶	Ralph Mayo Hutchins
Willard Duncan Carpenter	Max Duffield Miles
Elton Frick Cronk	Augustus Wilfred Frost
Benjamin Warner Fisher	Newman

* Commencement Honors.

† Degree conferred *cum laude*.‡ Degree conferred *magna cum laude*.

1. Honors in Biology.

2. High Honors in English.

3. Honors in French.

§ Salutatory Addresses.

¶ Valedictory Addresses.

¶¶ Phi Beta Kappa.

4. Honors in German.

5. Honors in Home Economics.

6. High Honors in Home Economics.

Degrees Conferred

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Nobuzo Suyemitsu
Edward Robert Triggs*
Homer Jackson Vail

Raymond Cyrus Whitney
Charles Cushman Wilcox
William Francis Youngs*

* Commencement Honors.

Middlebury College

PRIZE SPEAKING AWARDS

MERRILL PRIZES

Class of 1916

First Prize. Ernest Elisha Grant*Second Prize.* Dan Owen Mason*Third Prize.* Alvin Robert Metcalfe*Fourth Prize.* Bryson de Haas McCloskey

PARKER PRIZES

Class of 1917

First Prize. Arthur Maurice Ottman*Second Prize.* Vinton Wesley Mitchell

PRIZES IN HORACE

First Prize. Carroll William Dodge*Second Prize.* Katherine Hobbs*Third Prize.* Harriet Clarissa Myers

PRIZES IN PEDAGOGY

Second Prize. Richard Stewart Esten

PRIZES IN DEBATE

First Prize. John Charles Eliot Voss*Second Prize.* John James Floyd

PRIZES IN READING

First Prize. Harriet Clarissa Myers*Second Prize.* Rachel Horne Pressey

DEACON BOARDMAN PEACE PRIZE

William Mollis Sistare, Jr.

STUDENTS

[The letter *a* after the name of a student indicates that he is a candidate for the degree of Bachelor of Arts; the letter *s*, that he is a candidate for the degree of Bachelor of Science.]

GRADUATE STUDENTS

Stephen S. Cushing, Dart.
Harry A. Farrar, '10
Gordon Peach, '11
John A. Viele, '09

St. Albans
Castleton
Syracuse, N. Y.
Springfield, Mass.

SENIORS: CLASS OF 1915

James Glenn Anderson	<i>a</i>	<i>East Orange, N. J.</i>	15 Weybridge St.
George Grover Atherton-Barker	<i>a</i>	<i>Saxonville, Mass.</i>	16 Painter Hall
Irving Lyman Cabot	<i>a</i>	<i>Windsor</i>	A. S. P. House
Elbert Charles Cole	<i>a</i>	<i>Orleans</i>	A. S. P. House
George Clyfton Dade	<i>a</i>	<i>Amesbury, Mass.</i>	K. D. R. House
Clifford Theron Day	<i>s</i>	<i>Morrisonville, N. Y.</i>	A. S. P. House
Carroll William Dodge	<i>a</i>	<i>Pawlet</i>	15 Weybridge St.
Charles Atherton Fort	<i>s</i>	<i>Middlebury</i>	31 Seminary St.
George Henry Gardner	<i>s</i>	<i>N. Marshfield, Mass.</i>	8 Painter Hall
Harvey Edward Goodell	<i>s</i>	<i>Readsboro</i>	D. U. House
Wayne Martin Haller	<i>a</i>	<i>Shelburne Falls, Mass.</i>	119 S. Main St.
Harold Webb Haskins	<i>a</i>	<i>Bradford</i>	D. S. Lodge
Guy Clinton Hendry	<i>a</i>	<i>N. Hampton, N. H.</i>	K. D. R. House
John Mott Hoyt	<i>a</i>	<i>Cornwall</i>	D. S. Lodge
Frank Silver King Hunt	<i>a</i>	<i>W. Lebanon, N. H.</i>	D. S. Lodge
Merrill Lee Jenkins	<i>a</i>	<i>North Troy</i>	Dr. E. D. Collins's
Charles Sherman Jones	<i>a</i>	<i>Castleton</i>	Chi Psi Lodge
Albert Laburton Kimball	<i>s</i>	<i>Bradford, Mass.</i>	D. K. E. House
Carlisle George Kron	<i>s</i>	<i>Berlin, Ct.</i>	D. K. E. House
Robert Loder	<i>s</i>	<i>E. Orange, N. J.</i>	D. U. House
Grover Cleveland McCulloch	<i>s</i>	<i>Chatham, N. J.</i>	14 Painter Hall
Clarence Wilson McIntire	<i>a</i>	<i>Woodsville, N. H.</i>	D. S. Lodge
George Wilson MacLaughlin	<i>s</i>	<i>Ticonderoga, N. Y.</i>	A. S. P. House
Leonard Coleman Monahan	<i>s</i>	<i>S. Framingham, Mass.</i>	A. S. P. House
Thomas Kenneth Penniman	<i>a</i>	<i>Meriden, N. H.</i>	24 Starr Hall
Aldo Alfred Ratti	<i>s</i>	<i>Proctor</i>	K. D. R. House
Ralph Walter Ray	<i>a</i>	<i>Hackettstown, N. J.</i>	Chi Psi Lodge
Thomas Milne Ross	<i>a</i>	<i>Northfield</i>	D. S. Lodge
Michael Francis Shea*	<i>a</i>	<i>New London, Ct.</i>	D. U. House

* Not of full Senior rank.

William Mollis Sistare, Jr.	<i>s</i>	<i>Waterford, Ct.</i>	D. U. House
Harold Joseph Swezey	<i>s</i>	<i>Patchogue, N. Y.</i>	Chi Psi Lodge
Elmer Reed West	<i>a</i>	<i>Ticonderoga, N. Y.</i>	D. S. Lodge
Roy Thaddeus Whitney	<i>s</i>	<i>Shrewsbury</i>	13 Painter Hall

JUNIORS: CLASS OF 1916

Eldon Adelbert Austin	<i>a</i>	<i>Randolph Center</i>	9 Painter Hall
Henry Edward Aylward	<i>s</i>	<i>Ludlow</i>	A. S. P. House
Luke Emerson Bicknell	<i>a</i>	<i>Charlemont, Mass.</i>	7 Painter Hall
Caleb Thorndyke Brickett	<i>a</i>	<i>Haverhill, Mass.</i>	A. S. P. House
Robert Hart Bruce	<i>s</i>	<i>Milford, N. H.</i>	17 Painter Hall
George Hamilton Chapman	<i>a</i>	<i>Worcester, Mass.</i>	Chi Psi Lodge
Philip Harrison Condit	<i>s</i>	<i>E. Orange, N. J.</i>	D. K. E. House
Wayne Scribner Constantine*	<i>a</i>	<i>Shelburne Falls, Mass.</i>	17 Painter Hall
Edward Marsh Dickinson	<i>a</i>	<i>Lunenburg, Mass.</i>	28 Starr Hall
Philip William Ferguson	<i>s</i>	<i>Lyndonville</i>	8 Starr Hall
Frederick Lyon Fish	<i>s</i>	<i>Vergennes</i>	Chi Psi Lodge
John James Floyd*	<i>s</i>	<i>New London, Ct.</i>	D. U. House
Senichi Fujimura	<i>s</i>	<i>Tokyo, Japan</i>	15 College St.
Lloyd Blanchard Gale	<i>a</i>	<i>Batavia, N. Y.</i>	A. S. P. House
Harry Ray Hall	<i>a</i>	<i>Hardwick</i>	6 Painter Hall
Joseph Warren Howe	<i>a</i>	<i>Valatie, N. Y.</i>	Chi Psi Lodge
John Prescott Hoyt	<i>a</i>	<i>N. Pomfret</i>	7 College St.
Edward Shepard Huntley	<i>a</i>	<i>New London, Ct.</i>	Chi Psi Lodge
Joel John Lamere	<i>a</i>	<i>Ludlow</i>	A. S. P. House
Harold Grant Locklin	<i>s</i>	<i>Richford</i>	D. S. Lodge
Allen Prest Logan	<i>s</i>	<i>E. Orange, N. J.</i>	23 Starr Hall
Alban James Parker	<i>s</i>	<i>Morrisville</i>	A. S. P. House
Carley Herbert Paulsen	<i>s</i>	<i>New York, N. Y.</i>	28 Starr Hall
Aaron Rupert Phelps*	<i>s</i>	<i>Marshfield</i>	15 South St.
Charles Spurgeon Randall	<i>s</i>	<i>Amesbury, Mass.</i>	14 Painter Hall
Gordon Moore Robinson	<i>s</i>	<i>New Britain, Ct.</i>	D. K. E. House
Carroll Goulding Ross	<i>a</i>	<i>Rutland</i>	Chi Psi Lodge
Donald Worcester Salisbury	<i>s</i>	<i>S. Orange, N. J.</i>	D. K. E. House
Frank Raymond Schwarzwaldner	<i>s</i>	<i>E. Orange, N. J.</i>	23 Starr Hall
Ralph Pendleton Shedd	<i>s</i>	<i>N. Braintree, Mass.</i>	20 Starr Hall
George Henry Snyder	<i>a</i>	<i>Granville, N. Y.</i>	31 Seminary St.
William Walter Thomas	<i>a</i>	<i>N. Poultney</i>	10 Painter Hall
Carlton Henry Warner	<i>a</i>	<i>Cornwall</i>	Chi Psi Lodge
Lawrence Washburn Wild	<i>a</i>	<i>W. Stewartstown, N. H.</i>	31 Seminary St.
Joseph Alexis Wilson*	<i>s</i>	<i>Amesbury, Mass.</i>	D. S. Lodge
Charles Horton Wright	<i>s</i>	<i>Akron, Ohio</i>	K. D. R. House

* Not of full Junior rank.

Students

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SOPHOMORES: CLASS OF 1917

Harold Eugene Adams	s	Bridgeport, Ct.	D. U. House
George Remington Ayers*	s	Ballston Spa, N. Y.	K. D. R. House
Augustus Palmer Benedict	s	Walden, N. Y.	Chi Psi Lodge
Eugene Field Boyce	s	Middlebury	16 Elm St.
Thomas Francis Bresnahan	s	Fitchburg, Mass.	21 Starr Hall
Darrell Douglass Butterfield	s	Middlebury	30 South St.
Alvah Augustus Clark	s	Warner, N. H.	6 Painter Hall
Robert Frankland Coates	s	Rouses Point, N. Y.	D. U. House
Graydon Arthur Cowles	s	New Britain, Ct.	D. K. E. House
Harold Allen Damon	s	Nashua, N. H.	K. D. R. House
Charles Andrews Danolds*	s	Medina, N. Y.	D. S. Lodge
Said Dartley	s	Middlebury	26 Starr Hall
Harold M. Davis	a	Malone, N. Y.	D. U. House
Karl William Davis	s	Chester	D. U. House
Theodore Henry Dewhirst	s	Groveland, Mass.	D. U. House
John Edmund Downing, Jr.	s	E. Portchester, Ct.	22 Starr Hall
William Henry Edmunds	a	Bristol	15 Painter Hall
Donald Taylor France	s	New Braintree, Mass.	19 Starr Hall
Harold Blake Gammell*	s	E. Barnet	57 N. Pleasant St.
George Wilberforce Grant	s	Derry, N. H.	A. S. P. House
Fred Marshall Hagadorn	s	Weybridge	Middleb'y R. D. 4
Reuben Hall	s	Edgartown, Mass.	22 Starr Hall
Milton Lawrence Hard	s	Fairlee	A. S. P. House
Roy Dudley Harris	s	Middlebury	Middleb'y R. D. 1
Sumner Denby Harrison*	s	East Orange, N. J.	D. K. E. House
William Andrew Hawks*	s	N. Adams, Mass.	27 Starr Hall
Harold Edmund Hollister	a	Corinth, N. Y.	D. U. House
Earl Frederick Horsford*	s	Charlotte	K. D. R. House
Eugene Plinius Hubbard	s	New York, N. Y.	D. K. E. House
Walter Scott Hurst	s	Slingerlands, N. Y.	K. D. R. House
Harry Walter Hyde	a	Worcester, Mass.	Chi Psi Lodge
Clyde Adams Jeffs	s	Chester Depot	16 College St.
William Russell Keefe	s	Greenfield, Mass.	D. K. E. House
Carl Smith Kuebler	s	Hackensack, N. J.	D. U. House
Fred Paul Lang	s	New Britain, Ct.	D. K. E. House
Charles Ridgely Lee, Jr.	s	East Orange, N. J.	5 Starr Hall
Dan Owen Mason*	s	Middlebury	A. S. P. House
Ralph Stanley Merriam*	s	Rochester	D. S. Lodge
Webster Evans Miller	a	Pittsfield, Mass.	12 Painter Hall
Vinton Wesley Mitchell	s	Watertown, Ct.	9 Painter Hall
Charles Lynn Montgomery	s	S. Shafisbury	D. U. House
Arthur James Mott	a	Bristol	K. D. R. House

* Not of full Sophomore rank.

Middlebury College

Carl Huntress Moulton	<i>s</i>	<i>Underhill</i>	8 Painter Hall
Robert Reed Mundy*	<i>s</i>	<i>Green Harbor, Mass.</i>	D. S. Lodge
Arthur Maurice Ottman	<i>s</i>	<i>Schenectady, N. Y.</i>	K. D. R. House
John Mathew Quirk	<i>s</i>	<i>Moriah Center, N. Y.</i>	K. D. R. House
John Andrew Reynolds*	<i>s</i>	<i>Rutland</i>	Chi Psi Lodge
Rowland Vernon Ricker	<i>s</i>	<i>Waterbury</i>	D. U. House
Roy Robert Sears*	<i>a</i>	<i>Ludlow</i>	A. S. P. House
William Slade, Jr.	<i>s</i>	<i>Thetford</i>	K. D. R. House
Wellsworth Coyle Phelps			
Thomas	<i>s</i>	<i>North Adams, Mass.</i>	D. U. House
Emory Heath Towne	<i>a</i>	<i>Waterbury</i>	D. U. House
Arthur Thomas Vaughn	<i>s</i>	<i>Orange, N. J.</i>	5 Starr Hall
Norton Moore Williams*	<i>s</i>	<i>Maplewood, N. J.</i>	8 Starr Hall

FRESHMEN: CLASS OF 1918

Lester Nelson Allyn	<i>s</i>	<i>New Haven, Ct.</i>	15 Weybridge St.
Walter Edward Anderson	<i>s</i>	<i>Fitchburg, Mass.</i>	25 Starr Hall
Charles Effingham Bartlett	<i>s</i>	<i>Newport</i>	2 Starr Hall
Ralph Harrison Beaumont	<i>s</i>	<i>Roxbury, N. Y.</i>	12 Starr Hall
William Russell Brewster	<i>s</i>	<i>Windsor</i>	12 College St.
Richard Harrison Buffum	<i>a</i>	<i>Winchester, N. H.</i>	29 Starr Hall
James Cardell	<i>a</i>	<i>Bristol</i>	15 Painter Hall
Henry Hamblin Chapman	<i>a</i>	<i>Middlebury</i>	3 South St.
Guy Newton Christian	<i>s</i>	<i>Georgetown, Mass.</i>	1 Starr Hall
Burton Robert Clement	<i>s</i>	<i>Hollis, N. H.</i>	12 Starr Hall
Arthur Augustus Coleman	<i>s</i>	<i>Barnstable, Mass.</i>	9 Starr Hall
Guy Omeron Coolidge	<i>a</i>	<i>Rutland</i>	89 Main St.
Harold Sutherland Creed	<i>s</i>	<i>Sea View, Mass.</i>	11 Painter Hall
Henry Mabbitt Crippen	<i>s</i>	<i>Ballston Spa, N. Y.</i>	89 Main St.
Roscoe Edwin Everett Dake	<i>s</i>	<i>Greenfield Center, N. Y.</i>	31 Seminary St.
Harold Franklin Drew	<i>s</i>	<i>Haverhill, Mass.</i>	1 Starr Hall
Edward Wales Earle	<i>s</i>	<i>Rutland</i>	7 Starr Hall
Irving Willard Eastman	<i>s</i>	<i>St. Johnsbury</i>	10 Starr Hall
Robert Samuel English	<i>s</i>	<i>Charlotte</i>	K. D. R. House
Britton Armstrong Everitt	<i>a</i>	<i>Basking Ridge, N. J.</i>	6 Starr Hall
Leland Edward Fanning	<i>a</i>	<i>Kensington, Ct.</i>	14 Starr Hall
Walbridge Birney Fullington	<i>a</i>	<i>Johnson</i>	13 Starr Hall
Earl Victor Good	<i>s</i>	<i>St. Johnsbury</i>	10 Starr Hall
Frank Seraf Gredler	<i>a</i>	<i>Barre</i>	15 College St.
Channing Hildreth Greene	<i>s</i>	<i>N. Brookfield, Mass.</i>	9 Starr Hall
Homer Blakely Harris	<i>s</i>	<i>Middlebury</i>	Middleb'y, R. D. 1
Laurence De Loss Havens	<i>s</i>	<i>Chester Depot</i>	16 College St.
Adelino Augusto Hoffay	<i>s</i>	<i>Troy, N. Y.</i>	12 Painter Hall

* Not of full Sophomore rank.

Students

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Edwin Roy Holden	<i>a</i>	<i>Hackettstown, N. J.</i>	29 Starr Hall
Edwin Warren Hutchinson	<i>s</i>	<i>Valatie, N. Y.</i>	Chi Psi Lodge
Edgar Lawrence Lord	<i>s</i>	<i>Dennis, Mass.</i>	25 Starr Hall
John Joseph Lynch	<i>s</i>	<i>Rutland</i>	7 Starr Hall
Charles Julius Lyon	<i>s</i>	<i>Stamford, N. Y.</i>	13 Starr Hall
Frank Joseph Mara	<i>a</i>	<i>Passaic, N. J.</i>	2 Starr Hall
Dexter Horace Mead	<i>s</i>	<i>Leonards Bridge, Ct.</i>	18 Painter Hall
Raymond Corwin Mudge	<i>a</i>	<i>Ludlow</i>	6 Starr Hall
Forrest Guilford Myrick	<i>a</i>	<i>Bridport</i>	18 Seymour St.
Donald Ober	<i>s</i>	<i>Nashua, N. H.</i>	24 Starr Hall
Terrance Lockhart Parker	<i>s</i>	<i>Boston, Mass.</i>	12 College St.
Urban Henry Parker	<i>a</i>	<i>Morrisville</i>	Dr. E. D. Collins's
Paul Collamer Pelton	<i>s</i>	<i>Rutland</i>	89 Main St.
David Willard Reid	<i>s</i>	<i>Adams, Mass.</i>	89 Main St.
Leslie Martin Shedd	<i>s</i>	<i>New Braintree, Mass.</i>	20 Starr Hall
Osborn Seavey Slaunwhite	<i>s</i>	<i>Marshfield, Mass.</i>	11 Painter Hall
Henry Harold Stone	<i>a</i>	<i>Vergennes</i>	14 College St.
Harold John Taylor	<i>a</i>	<i>Middlebury</i>	53 Seymour St.
Chester Irienas Walton	<i>s</i>	<i>Jericho Center</i>	8 Painter Hall
William Thomas Watson	<i>s</i>	<i>Stratford, Ct.</i>	11 Starr Hall
Marion Smith Webb	<i>s</i>	<i>Beacon, N. Y.</i>	18 Painter Hall
Guy Eugene Wheelock	<i>a</i>	<i>North Troy</i>	13 Painter Hall
Frank Carl Whitney	<i>a</i>	<i>Salisbury</i>	18 Seymour St.
Stanley Victor Wright	<i>a</i>	<i>Middlebury</i>	21 Seminary St.

THE WOMEN'S COLLEGE

IN CONNECTION

WITH MIDDLEBURY COLLEGE

SUZANNE EVERETT THROOP, Dean

IN 1883 Middlebury College opened its doors to women, and offered to them the same courses and privileges afforded to men. In 1902 a charter was granted for an affiliated College for Women, and steps have been taken toward two coördinate institutions, one for men and one for women, as fast as resources have allowed. It is believed that both men and women are better for the distinct social life of separate colleges, but that the greater economy in administration and instruction when the education of both sexes is conducted under the same corporate management and by the same Faculty justifies affiliated institutions in the same locality.

The President and Fellows of Middlebury College exercise full supervision and control of the Women's College. They are authorized to receive gifts for scholarships and professorships for the benefit of women students, for buildings for women, and for the general purposes of the Women's College. Bequests, legacies, and gifts for the education of women in connection with Middlebury College should be made payable to "The President and Fellows of Middlebury College."

Women in Middlebury are taught by the same Faculty as men, and enjoy the same privileges in the Library and Laboratories. All courses of instruction

are open to them, and they have equal opportunities in every department of the College.

The Dean seeks to be the friend and adviser of each woman in College. The social activities of the women are under her direction. She also takes a health record of the women and assists in directing the dramatic productions given at the College.

Pearsons Hall, completed in 1911 with a portion of the D. K. Pearsons Fund of \$100,000, accommodates, with Battell and Hillside Cottages, about one hundred and twenty women. The College will provide residence for women, except where special permission is obtained to reside elsewhere.

The requirements for admission to the Women's College are the same as those for men. Women are accorded the degree of A.B. or B.S. upon graduation and may attain the degree of A.M. or M.S.

STUDENTS

GRADUATE STUDENTS

Helen L. Crosby, '12
 Laura L. Newell, '12
 Carrie W. Ormsbee, Smith
 Sophie E. Wilds, Smith
 Barbara H. Smith, '13

New Berlin, N. Y.
Milford, Del.
Brandon
Middlebury
Richford

SENIORS: CLASS OF 1915

Mary Ruth Bartley*	<i>a Ashuelot, N. H.</i>	36 Pearsons Hall
Mary Hayward Buck	<i>a Waterville, Ct.</i>	21 Pearsons Hall
Anna May Cole	<i>a Hampton, N. H.</i>	12 College St.
Mary Louise Ellis	<i>a Pittsfield</i>	4 Weybridge St.
Emma Louise Feeney	<i>a Ballston Lake, N. Y.</i>	28 Pearsons Hall
Isabel Clara Field	<i>a Wells River</i>	28 Pearsons Hall
Sarah Katherine Fish	<i>a Vergennes</i>	20 Pearsons Hall
Sarah Louise Funnell	<i>a Huntington, N. Y.</i>	9 Pearsons Hall
Fannie Olive Gill	<i>a Springfield</i>	26 Pearsons Hall
Ginevra Pollard Harlow	<i>a Chester</i>	29 Pearsons Hall
Clotilda Hayes	<i>a Lee, Mass.</i>	2 Pearsons Hall
Ruth Hilton	<i>a Richmond</i>	9 Pearsons Hall
Annie Josephine Hulihan	<i>a Center Rutland</i>	6 Pearsons Hall
Irene Idelle Ingalls	<i>a Windham</i>	4 Pearsons Hall
Ruth Kendall	<i>a Pittsford</i>	29 Pearsons Hall
Florence Kopke	<i>a Brooklyn, N. Y.</i>	33 Pearsons Hall
Mildred Dickerson Lusk	<i>a Newark, N. J.</i>	38 Pearsons Hall
Alice King MacGilton	<i>a Middlebury</i>	21 College St.
Irene Ethel McGregor	<i>a Waterbury, Ct.</i>	27 Pearsons Hall
Laura Louise Mead	<i>a N. Ferrisburg</i>	21 Pearsons Hall
Mabel Alice Miller	<i>a Wells River</i>	22 Pearsons Hall
Margaret Park Mills	<i>a Townshend</i>	4 Pearsons Hall
Sophie Donker Musgrove	<i>a Pittsfield, Mass.</i>	23 Pearsons Hall
Helena Catherine Norton	<i>a Newport</i>	5 South St.
Ruth Dickinson Norton	<i>a Vergennes</i>	20 Pearsons Hall
Grace Elizabeth Peaslee	<i>a Contoocook, N. H.</i>	22 Pearsons Hall
Elizabeth Joy Rose	<i>a Cornwall</i>	30 Pearsons Hall
Adelaide Ross	<i>a West Rutland</i>	31 Pearsons Hall
Harriet Emily Smith	<i>a Addison</i>	42 Pearsons Hall
Britomarte Somers	<i>s W. Barnet</i>	13 Battell Cottage
Mary Alice Stone	<i>a Vergennes</i>	14 College St.

* Not of full Senior rank.

Students

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Marion Sarah Thomas	<i>a Middlebury</i>	10 College St.
Mabel Kathryn Tooley	<i>a Stratford, Ct.</i>	26 Pearsons Hall
Josephine Tracy	<i>a Lee, Mass.</i>	2 Pearsons Hall
Laura Eliza Walbridge	<i>a Brattleboro</i>	24 Pearsons Hall
Marjory Alexander Wright	<i>a Middlebury</i>	2 Storrs Ave.

JUNIORS: CLASS OF 1916

Robberta Arnold	<i>s Worcester, Mass.</i>	48 Pearsons Hall
Vera Emma Arnold	<i>a Quinebaug, Ct.</i>	43 Pearsons Hall
Ada Barnes	<i>a Middlebury</i>	118 Main St.
Clara Pauline Barnum	<i>a Jericho Center</i>	35 Pearsons Hall
Lucia Madeline Besiegel	<i>a Dalton, Mass.</i>	37 Pearsons Hall
Helen Melina Bosworth	<i>a Florence, Mass.</i>	10 Pearsons Hall
Helen Madaline Carrigan	<i>a Brandon</i>	36 Court St.
Ruth Helen Conner*	<i>a Methuen, Mass.</i>	25 Pearsons Hall
Gladys Jane Cook	<i>a Middlebury</i>	106 Main St.
Ella Irene Drake	<i>a Brushton, N. Y.</i>	5 Battell Cottage
Anna Roberts Fisher	<i>a Vergennes</i>	39 Pearsons Hall
Reta Lorain Forbes	<i>a Middlebury</i>	125 Main St.
Ethel Paine Gorton	<i>a Naugatuck, Ct.</i>	41 Pearsons Hall
Isabel Annette Grant	<i>a Bennington</i>	39 Pearsons Hall
Ruth Lillian Greeley	<i>a Rochester</i>	37 Pearsons Hall
Isabelle Beulah Griffith	<i>a Brandon</i>	43 Pearsons Hall
Frances Madeline Guerin*	<i>s Worcester, Mass.</i>	12 Pearsons Hall
Mary Elizabeth Halpin	<i>s Middlebury</i>	36 College St.
Dorothy Harris	<i>a Jefferson, N. Y.</i>	4 Battell Cottage
Hazel Louise Haseltine*	<i>a Reed's Ferry, N. H.</i>	30 Pearsons Hall
Pauline Helms	<i>a Forest Hills, Mass.</i>	44 Pearsons Hall
Katherine Hobbs	<i>a Worcester, Mass.</i>	11 Pearsons Hall
Mary Elbra Holmes	<i>s Westminster Station</i>	27 Pearsons Hall
Mertie May James	<i>a Madison, N. J.</i>	19 Battell Cottage
Mildred Hathaway Jones	<i>a Mansfield, Mass.</i>	47 Pearsons Hall
Ruth Tyler Keet	<i>a Bernardston, Mass.</i>	32 Pearsons Hall
Helen Esther Kenrick	<i>a Walpole, N. H.</i>	34 Pearsons Hall
Marjorie Ruth Lee	<i>a Vergennes</i>	24 Pearsons Hall
Amy Iona McNall	<i>a Malden, Mass.</i>	35 Pearsons Hall
Harriet Clarissa Myers	<i>a Westmore</i>	11 Pearsons Hall
Louise Delphine Nelson	<i>a Salisbury</i>	112 Main St.
Dorothy Irene Noyes	<i>a Salisbury</i>	10 College St.
Rachel Horne Pressey	<i>a S. Groveland, Mass.</i>	46 Pearsons Hall
Pauline Rowland*	<i>a Sapporo, Japan</i>	25 Pearsons Hall
Elizabeth Louise Smeallie	<i>s Yalesville, Ct.</i>	40 Pearsons Hall
Cecile Maude Thomas	<i>a Salisbury</i>	34 Pearsons Hall

* Not of full Junior rank.

Flora Louise Willmarth	<i>a</i>	<i>Addison</i>	45 Pearsons Hall
Martha Elizabeth Wooding	<i>a</i>	<i>Wallingford, Ct.</i>	40 Pearsons Hall
Lois Belle Wright	<i>a</i>	<i>Middlebury</i>	112 Main St.

SOPHOMORES: CLASS OF 1917

Katherine Ball	<i>a</i>	<i>Winchester, N. H.</i>	16 Battell Cottage
Elizabeth Mary Barrett*	<i>a</i>	<i>Dalton, Mass.</i>	9 Battell Cottage
Lois Sirena Bodurtha*	<i>s</i>	<i>Westfield, Mass.</i>	46 Pearsons Hall
Mary Narcissa Bowles	<i>a</i>	<i>Middlebury</i>	20 College St.
Louesa Griffing Bullis	<i>s</i>	<i>Glens Falls, N. Y.</i>	12 Battell Cottage
Florence Wood Buxton	<i>a</i>	<i>Fericho</i>	Hillside Cottage
Letitia Elizabeth Calhoun	<i>a</i>	<i>Middlebury</i>	43 South St.
Isabelle Bridget Carrigan	<i>a</i>	<i>Pittsford Mills</i>	36 Court St.
Alice May Chynoweth	<i>a</i>	<i>St. Albans</i>	Hillside Cottage
Clarissa Ina Cooledge	<i>s</i>	<i>Dorset</i>	4 Weybridge St.
Jennie Craigue	<i>a</i>	<i>Springfield</i>	9 Battell Cottage
Helen Beulah Cussons	<i>a</i>	<i>Swanton</i>	Hillside Cottage
Miriam Louise Cutler	<i>s</i>	<i>E. Jaffrey, N. H.</i>	21 Battell Cottage
Gertrude Eliza Dratt	<i>a</i>	<i>Bridport</i>	6 South St.
Carrie Mabelle Dunton	<i>a</i>	<i>Brattleboro</i>	52 Weybridge St.
Madalene Katie Foster	<i>a</i>	<i>Walpole, N. H.</i>	Hillside Cottage
Gladys Marion Frost	<i>a</i>	<i>Rutland</i>	Hillside Cottage
Ruth Fay Hall	<i>a</i>	<i>N. Bennington</i>	Hillside Cottage
Olive Amy Hall	<i>a</i>	<i>Putney</i>	2 Battell Cottage
Marie Lettice Handy	<i>a</i>	<i>New York, N. Y.</i>	44 Pearsons Hall
Hester Hazel Harding	<i>a</i>	<i>Middlebury</i>	39 Seminary St.
Alice Gertrude Harriman	<i>a</i>	<i>Middlebury</i>	6 High St.
Marguerite Elizabeth Heaphy	<i>a</i>	<i>Lee, Mass.</i>	Hillside Cottage
Marina Louise Holmes	<i>s</i>	<i>Bristol, Ct.</i>	Hillside Cottage
Fannie Hulett	<i>a</i>	<i>Starksboro</i>	4 Battell Cottage
Winifred Lillie Jeffords	<i>a</i>	<i>Williamstown</i>	31 Pearsons Hall
Marjorie Elizabeth Leach	<i>a</i>	<i>Brattleboro</i>	11 Battell Cottage
Eva Leland	<i>s</i>	<i>Holliston, Mass.</i>	8 Battell Cottage
Helen Elizabeth Linnell	<i>a</i>	<i>Hyannisport, Mass.</i>	48 Pearsons Hall
Helen Harriet Lyman	<i>s</i>	<i>Granby, Mass.</i>	Middleb'y, R.D. 1
Marjory Anna Mackenzie	<i>a</i>	<i>Peterborough, N. H.</i>	Hillside Cottage
Charlotte Corluser Marsh*	<i>s</i>	<i>Bridgeport, Ct.</i>	12 Pearsons Hall
Mabelle Cecile Morrisette*	<i>a</i>	<i>Worcester, Mass.</i>	36 College St.
Sarah Leah Nelson	<i>s</i>	<i>Manchester Depot</i>	14 Battell Cottage
Marjorie Bates Phelps	<i>a</i>	<i>Vergennes</i>	Hillside Cottage
Doris Atkinson Richards	<i>a</i>	<i>Dalton, Mass.</i>	32 Pearsons Hall
Violet Elizabeth Richardson	<i>a</i>	<i>Manchester</i>	36 Pearsons Hall
Anna Marie Rourke	<i>a</i>	<i>Brooklyn, N. Y.</i>	36 Court St.
Wenona Lee Shattuck	<i>a</i>	<i>Weston</i>	2 Battell Cottage

* Not of full Sophomore rank.

Students

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Helen Simms	<i>s</i>	<i>Gorham, Me.</i>	38 Pearsons Hall
Sue Kathryn Smith	<i>a</i>	<i>Colchester</i>	6 Pearsons Hall
Huldah May Thomas	<i>a</i>	<i>Middlebury</i>	10 College St.
Faith Walker*	<i>a</i>	<i>Barre</i>	10 Battell Cottage
Beulah May Wilkinson	<i>a</i>	<i>Rutland</i>	10 Pearsons Hall
Ada Melora Wood	<i>a</i>	<i>Upton, Mass.</i>	Hillside Cottage
Evelyn Elnora Wright	<i>a</i>	<i>Middlebury</i>	Middleb'y, R.D. 3

FRESHMEN: CLASS OF 1918

Elsie Agnes Atwell	<i>a</i>	<i>Middlebury</i>	28 Court St.
Estella Louise Atwell	<i>a</i>	<i>Middlebury</i>	28 Court St.
Dorothy Marie Barr	<i>s</i>	<i>New York, N. Y.</i>	7 Battell Cottage
Dorothy Elizabeth Brewster	<i>a</i>	<i>Middlebury</i>	125 Pleasant St.
Dorothy Helen Brown	<i>a</i>	<i>Newark, N. J.</i>	23 Battell Cottage
Ruth Mary Bryant	<i>a</i>	<i>Middlebury</i>	6 Storrs Ave.
Marie Louise Champagne	<i>a</i>	<i>Fitchburg, Mass.</i>	36 College St.
Margaret Chatfield	<i>s</i>	<i>New Haven, Ct.</i>	23 Battell College
Helen Seymour Clift	<i>a</i>	<i>Fair Haven</i>	36 College St.
Anna Maude Coffin	<i>a</i>	<i>Gorham, Me.</i>	36 College St.
Goldie Josephine Courtemanche	<i>a</i>	<i>Wilmington</i>	5 Franklin St.
Mary Eleanor Crane	<i>a</i>	<i>Hackettstown, N. J.</i>	36 College St.
Marion Alice Dean	<i>a</i>	<i>North Portland</i>	3 Battell Cottage
Helen Alexandra Diehl	<i>a</i>	<i>S. Natick, Mass.</i>	36 College St.
Hazel Grace Doody	<i>a</i>	<i>Middlebury</i>	7 Elm St.
Edith Madeline Duffield	<i>a</i>	<i>Williamstown, Mass.</i>	8 Battell Cottage
Hannah Dvorcef	<i>s</i>	<i>Brooklyn, N. Y.</i>	95 Main St.
Marion Grace Elmer	<i>a</i>	<i>Middlebury</i>	106 Main St.
Bertha Elizabeth Farrell	<i>a</i>	<i>Middlebury</i>	38 College St.
Elsie Langworthy Foote	<i>a</i>	<i>Vergennes</i>	Hillside Cottage
Alice Katherine Fuller	<i>a</i>	<i>Rutland</i>	36 College St.
Edna Matilda Gill	<i>a</i>	<i>Springfield</i>	36 College St.
Elva Gilman	<i>s</i>	<i>S. Portland, Me.</i>	36 College St.
Alice Catherine Halpin	<i>a</i>	<i>Middlebury</i>	36 College St.
Margaret Mae Harris	<i>a</i>	<i>Stowe</i>	36 College St.
Orra Miller Henderson	<i>s</i>	<i>Asheville, N. C.</i>	6 Franklin St.
Ruth Avaline Hesselgrave	<i>a</i>	<i>Chatham, N. J.</i>	24 Battell Cottage
Katherine Howard Hurd	<i>a</i>	<i>Concord, N. H.</i>	121 S. Main St.
Marguerite Helon Jones	<i>a</i>	<i>Mansfield, Mass.</i>	6 Battell Cottage
Doris Annie Kendall	<i>s</i>	<i>Brandon</i>	Hillside Cottage
Josephine Frances Menotti	<i>a</i>	<i>Waterbury, Ct.</i>	5 Battell Cottage
Elsie Monteith	<i>a</i>	<i>Stanley, N. J.</i>	24 Battell Cottage
Helen Beatrice Newton	<i>a</i>	<i>Oxford, Mass.</i>	36 College St.
Louise Norris	<i>a</i>	<i>Cabot</i>	18 Battell Cottage
Muriel Retchford	<i>a</i>	<i>Portsmouth, N. H.</i>	15 Battell Cottage

* Not of full Sophomore rank.

Louise Harrison Reynolds	<i>a</i>	<i>Rutland</i>	36 College St.
Hazel Rugg Rogers	<i>a</i>	<i>Worcester, Mass.</i>	17 Battell Cottage
Marguerite Rogers	<i>a</i>	<i>Worcester, Mass.</i>	Hillside Cottage
Aroline Hathaway Sargent	<i>a</i>	<i>Etna, N. H.</i>	7 Battell Cottage
Helen Sibley	<i>a</i>	<i>Hingham, Mass.</i>	36 College St.
Lucy Smith	<i>a</i>	<i>Plymouth, Mass.</i>	22 Battell Cottage
Hazel Eunice Warren	<i>a</i>	<i>Montpelier</i>	117 Main St.
Christine Jane Webster	<i>a</i>	<i>Whiting</i>	106 Main St.

SUMMER SESSION STUDENTS

- Elizabeth T. Adams, A.B. (*Middlebury*), Teacher, Ferrisburg.
Pauline B. Aines, Middlebury.
Belle Anderson, A.B. (*Middlebury*), Teacher, High School, Springfield.
J. Glenn Anderson, Student, East Orange, N. J.
Mary Anderson, B.L. (*Michigan*), Teacher, Central High School, Detroit, Mich.
Eldon A. Austin, Student, East Middlebury.
Viva C. Badger, A.B. (*Radcliffe*), Teacher, High School, Sunapee, N. H.
Ruth Bartley, Student, Ashuelot, N. H.
Mary Bennett, Bridport.
Edwin L. Bigelow, A.B. (*Middlebury*), Teacher, High School, Bellows Falls.
Matilda E. Bowman, Westport, Ct.
Maude R. Bowman, A.B. (*Knox College*), Danville, Ill.
Ada E. Bristol, Middlebury.
Jennie H. Bristol, Middlebury.
Ruth M. Brookins, A.B. (*Middlebury*), Teacher, High School, Springfield.
David H. Brown, Student, Collinsville, Ct.
Robert H. Bruce, Milford, N. H.
John Arthur Burton, A.B. (*Colby*), Principal, High School, Groton, Mass.
Alice Dacre Butterfield, A.M. (*Smith*), Teacher, Pennsylvania College for Women, Pittsburgh, Penn.
Ada B. Callender, Middlebury.
Helena B. Carpenter, A.B. (*Middlebury*), Teacher, High School, Enosburg Falls.
Nina J. Chaffee, Middlebury.
Ada May Chapman, Middlebury.
Lewis W. Clough, A.B. (*Williams*), Teacher, Worcester, Mass.
Anna M. Cole (*ex-Mt. Holyoke*), Teacher, Hampton, N. H.
Ruth Conner, Student, Methuen, Mass.
Beulah Cornell (*ex-Middlebury*), Monkton.
George C. Cornell, Monkton.
Carrie M. Corson, Teacher, Lynn, Mass.
Mandell Crothers, Passaic, N. J.
Bessie M. Cudworth, A.B. (*Middlebury*), Teacher, High School, Bristol.
Clara B. Cutler, Teacher, Boston, Mass.
Mattie H. Cunningham, Middlebury.
Charles A. Danolds, Student, Medina, N. Y.
Effie M. Daunis, Middlebury.
Glenn M. Davis, A.B. (*Clark*), Teacher, High School, Portland, Me.
Wilfred E. Davison, A.B. (*Middlebury*), Instructor, Middlebury College.
Ferne B. Day, Teacher, St. Johnsbury.
Leslie E. Day, East Middlebury.

- Ralph B. Delano, A.B. (*Middlebury*), Teacher, High School, Winchester, Mass.
Carroll W. Dodge, Student, Pawlet.
Stephen A. Doody, A.B. (*Middlebury*), Teacher, High School, Littleton, N. H.
Addie M. Drake (*ex-Brown*), Teacher, Bristol, N. H.
Eva Hunter Eddy, Middlebury.
Helen Eels, Middlebury.
Howard C. Farwell, A.B. (*Middlebury*), Principal, High School, Lincoln, N. H.
Ella L. Ferrin, Teacher, Castleton Normal School.
Frederick L. Fish, Student, Vergennes.
Ruth M. Flint, St. Johnsbury.
Charles A. Fort, Student, Middlebury.
Fanny M. Gay, Teacher, Rumsey Hall, Cornwall, Ct.
Laura S. Gay, B.S. (*Smith*), Teacher, Jamaica High School, New York, N. Y.
Carroll N. Gibney, A.B. (*Clark*), Teacher, Cushing Academy, Ashburnham, Mass.
Daisy E. Godfrey, Student, Brandon.
Mrs. G. C. Gray, Chicopee, Mass.
Mabelle E. Gray, Student, Mt. Holyoke College, Chicopee, Mass.
Frances Guerin, Student, Worcester, Mass.
Jessie E. Guernsey, A.M. (*Columbia*), Teacher, Calhoun Colored School, Calhoun, Ala.
Hester Hazel Harding, Student, Andover, N. H.
Carrie R. Harmon, Teacher, High School, Geneva, N. Y.
Arthur W. Harris, A.B. (*Middlebury*), Principal, High School, Underhill.
Alice Harriman, Student, Middlebury.
Alice Hemenway, A.B. (*Middlebury*), Teacher, High School, Atlantic Highlands, N. J.
Susie W. Hesselgrave, A.B. (*Middlebury*), Chatham, N. J.
Mary Holmes, Student, Westminster Station.
Earl F. Horsford, Student, Charlotte.
Ellen J. Howard, B.A. (*Wellesley*), Teacher, East Northfield, Mass.
Ella J. Hughes, Teacher, Springfield, Mass.
Elizabeth Jones, Teacher, Island Pond.
Albert L. Kimball, Student, Bradford, Mass.
Ellen H. Kingsbury, A.B. (*Mt. Holyoke*), Teacher, Taunton, Mass.
Florence H. Kodjbanoff (*ex-Wells*), Middlebury.
Edith P. Lewis, Student, Oberlin College, Hampton, Ct.
Alice K. MacGilton, Student, Middlebury.
William MacMurtry (*ex-Middlebury*), Middlebury.
Bryson de H. McCloskey, Student, Oswego, N. Y.
Cora G. McCrackan, Providence, R. I.
Grover C. McCullough, Student, Chatham, N. J.

- Elizabeth B. McFarland, Middlebury.
 Mary R. Moulton, A.B. (*Wellesley*), Teacher, Tilton Seminary, Tilton, N. H.
 Sarah L. Nelson, Student, Manchester.
 Lawrence W. Newell, A.B. (*Harvard*), Teacher, Tarrytown, N. Y.
 Florence A. Newhall, Teacher, Salem, Mass.
 Jessie L. Noble, (*ex-Middlebury*), Middlebury.
 Donald H. Norton, Student, Dartmouth College, Vergennes.
 Lena B. Nutter, A.B. (*Bates*), Teacher, Hyannis, Mass.
 Richard S. O'Connell, Student, Middlebury.
 Carley H. Paulsen, Student, New York, N. Y.
 Rachel P. Pettengill, Cambridge, Mass.
 Ralph W. Ray, Student, Middlebury.
 Thomas M. Ross, Student, Northfield.
 Pauline Rowland, Student, Sapporo, Japan.
 Elizabeth R. Royce, Middlebury.
 Josephine L. Sanborn, Teacher, Haverhill, Mass.
 Catharine Shea, Teacher, Middlebury.
 Michael F. Shea, Student, New London, Ct.
 Maude L. M. Scheffer (*ex-Cornell University*), Teacher, High School, Ithaca, N. Y.
 Samuel Sheldon, Jr., Brooklyn, N. Y.
 Barbara Smith, A.B. (*Middlebury*), Teacher, High School, North Troy.
 Margaret F. Somerset, A.B. (*West Virginia University*), Teacher, High School, Bridgeport, Ct.
 Gertrude Stone, A.B. (*Boston University*), Teacher, Concord, N. H.
 Mary Stone, Student, Vergennes.
 Vivian Stone, A.B. (*Middlebury*), Teacher, Concord, N. H.
 Della M. Thomas, A.B. (*Oberlin*), Teacher, High School, Owensboro, Ky.
 Etta L. Thomas, A.B. (*Oberlin*), Teacher, High School, Westboro, Mass.
 Emelyn Wells Thompson, Thetford Mines, P. Q.
 Ella K. Truesdale, A.B. (*Wells*), Teacher, High School, Schenectady, N. Y.
 Anne C. Voter, Middlebury.
 Frances H. Warner, A.B. (*Middlebury*), Teacher, High School, Middlebury.
 Frank B. Warner, A.B. (*Amherst*), School Supervisor, American Board of Foreign Missions, China.
 Raymond C. Whitney, B.S. (*Middlebury*), Millbury, Mass.
 Josephine Wilcox, Ph.B. (*Chicago University*), Teacher, Chicago, Ill.
 Elizabeth Wilds, A.B. (*Smith*), New York, N. Y.
 Sophie Wilds, A.B. (*Smith*), Middlebury.
 Harriet J. Williams, Teacher, Boston, Mass.
 Dora M. Willson, Student, Lunenburg.
 Jeanette B. Wilson, Teacher, Waltham, Mass.
 Caroline S. Woodruff, Teacher, St. Johnsbury.
 Julia M. Woodman, Teacher, Vergennes.
 Jane C. Wright, Teacher, High School, Bridgeport, Ct.

SUMMARY

SUMMARY BY CLASSES

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Graduate Students	4	5	9
Seniors	33	36	69
Juniors	36	39	75
Sophomores	54	46	100
Freshmen	52	43	95
	<u>179</u>	<u>169</u>	<u>348</u>
Summer Session			120
<i>Total</i>			<u>468</u>
<i>Counted twice</i>			27
<i>Net Total</i>			<u>441</u>

CLASSIFICATION BY COURSES

UNDERGRADUATES ONLY

<i>Men</i>	<i>Candidates for A.B.</i>	<i>Candidates for B.S.</i>
Seniors	20	13
Juniors	17	19
Sophomores	9	45
Freshmen	18	34
<i>Women</i>		
Seniors	35	1
Juniors	34	5
Sophomores	36	10
Freshmen	37	6
<i>Total</i>	<u>206</u>	<u>133</u>

GEOGRAPHICAL DISTRIBUTION

UNDERGRADUATES ONLY

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Vermont	70	88	158
Massachusetts	35	32	67
New York	25	10	35
Connecticut	15	11	26
New Hampshire	12	12	24
New Jersey	16	6	22
Maine	0	3	3
North Carolina	0	1	1
Ohio	1	0	1
Japan	1	1	2
	<u>175</u>	<u>164</u>	<u>339</u>

COLLEGE CALENDAR

1914

SEPTEMBER 24. *Thursday, 8.45 a.m.* Beginning of first semester.

NOVEMBER 26. *Thursday.* Thanksgiving Day.

DECEMBER 19 }
to JANUARY 4. } *Saturday to Monday.* Christmas Recess.

1915

JANUARY 29 }
to FEBRUARY 6. } *Friday to Saturday.* Mid-year Examinations.

FEBRUARY 6. *Saturday.* End of first semester.

FEBRUARY 8. *Monday.* Beginning of second semester.

FEBRUARY 12. *Friday.* Mid-winter Meeting of the Phi Beta Kappa Society.

FEBRUARY 22. *Monday.* Washington's Birthday.

APRIL 14-21. *Wednesday to Wednesday.* Spring Recess.

MAY 6-8. *Thursday to Saturday.* Junior Week.

JUNE 11-18. *Friday to Friday.* Final Examinations.

JUNE 20. *Sunday.* Commencement Sunday.

JUNE 21. *Monday.* Class Day.
10.30 a.m. Class Day Exercises.
3.00 p.m. June Meeting of the Phi Beta Kappa Society.
8.00 p.m. Parker and Merrill Prize Speaking.

JUNE 22. *Tuesday.* Alumni Day.
8.00 p.m. Commencement Concert.

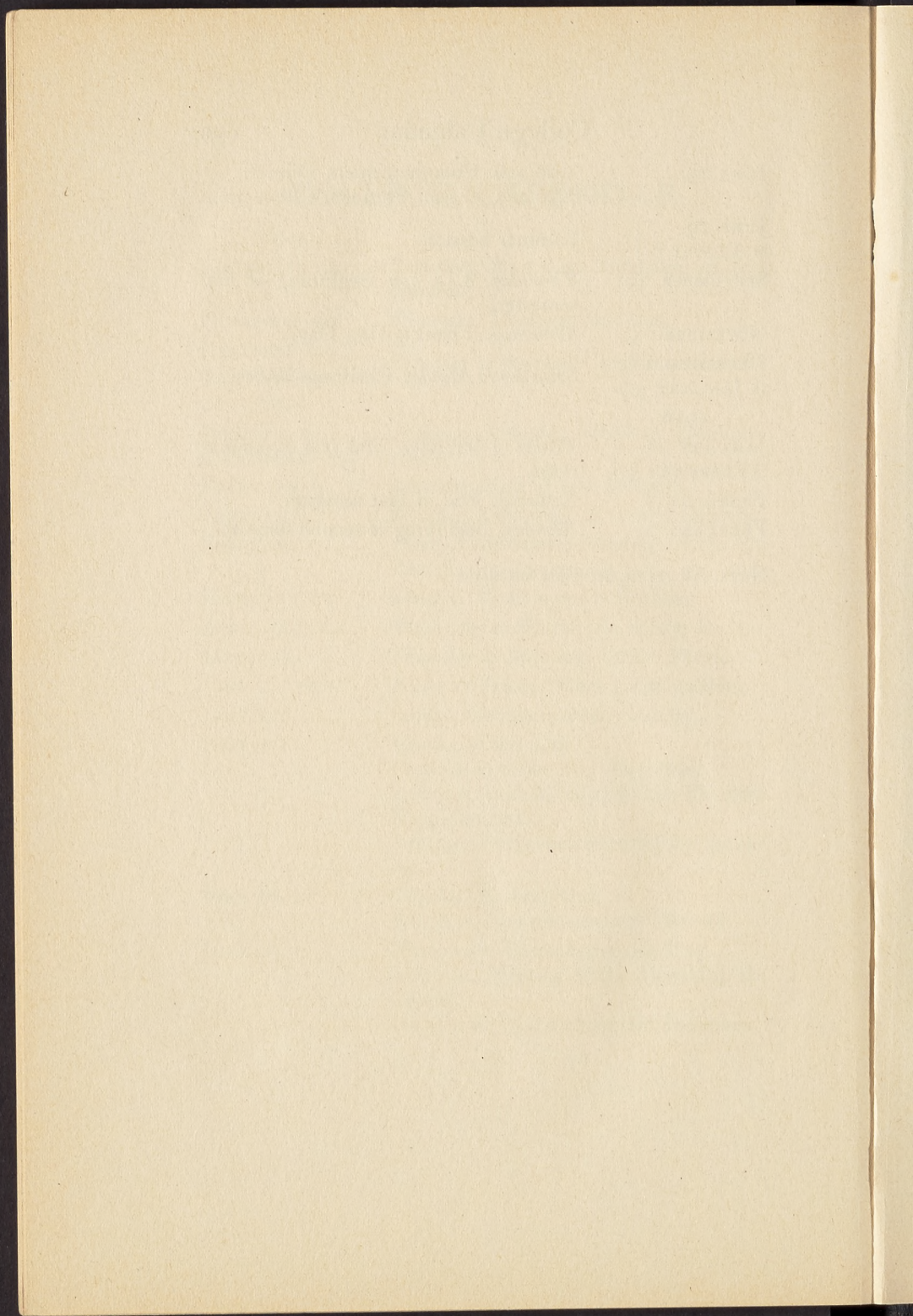
JUNE 23. *Wednesday.* Commencement Day.
9.00 a.m. Meeting of the Alumni in the Chapel.
10.30 a.m. Commencement Exercises.

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JUNE 23.	1.00 p.m. Commencement Dinner. 7.30 to 9.00 p.m. President's Reception.
JUNE 29 } to AUGUST 6. }	Summer Session.
SEPTEMBER 23.	<i>Thursday</i> , 8.45 a.m. Beginning of first semester.
NOVEMBER 25.	<i>Thursday</i> . Thanksgiving Day.
DECEMBER 18 } to JANUARY 3. }	<i>Saturday to Monday</i> . Christmas Recess.
1916	
JANUARY 28 } to FEBRUARY 5. }	<i>Friday to Saturday</i> . Mid-year Examinations.
FEBRUARY 5.	<i>Saturday</i> . End of first semester.
FEBRUARY 7.	<i>Monday</i> . Beginning of second semester.

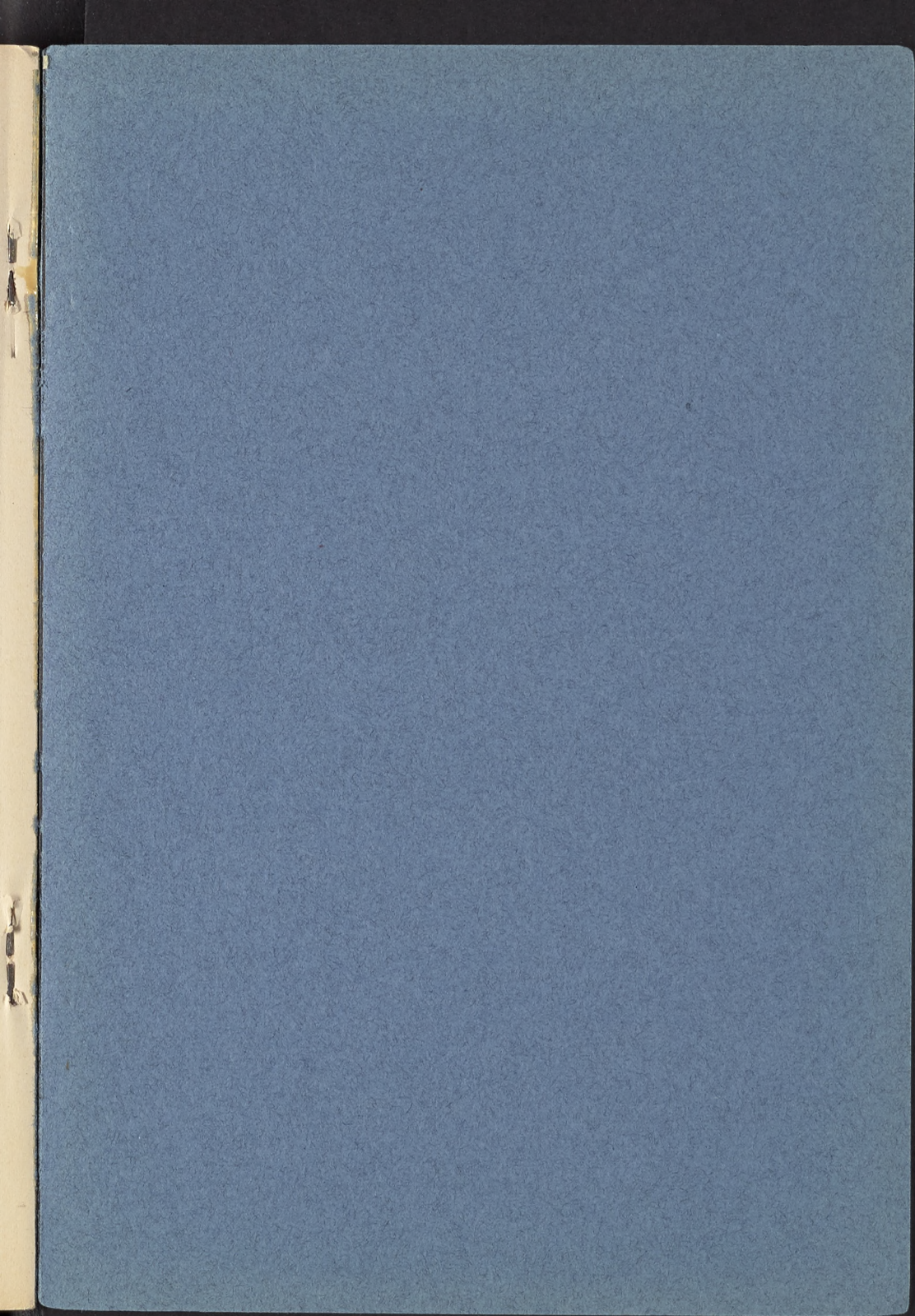
NOTE. All recess dates are inclusive.



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